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HARVARD UNIVERSITY

PUBLICATIONS OF THE BUREAU FOR RESEARCH IN MUNICIPAL GOVERNMENT

1. **Municipal Charters.** By NATHAN MATTHEWS, LL.D., former Mayor of Boston. $2.00 net.

2. **A Bibliography of Municipal Government.** By WILLIAM BENNETT MUNRO, Professor of Municipal Government in Harvard University. $2.50 net.

A BIBLIOGRAPHY OF MUNICIPAL GOVERNMENT IN THE UNITED STATES

BY

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PREFACE

A BIBLIOGRAPHY of municipal government has been much needed for a long time by teachers, librarians and city officials. It is now nearly fifteen years since Professor Robert C. Brooks issued the second edition of his *Bibliography of Municipal Affairs and City Conditions* — a most useful handbook in its day. In the interval, however, there has been a prodigious output of publications relating to this general field. No one can hope to keep pace with it all. To attempt a complete catalogue would be a waste of time and printer's ink, since much of the material, most of it in fact, has only a transitory or local interest. The aim of the present editor has been to make, from the entire mass, a selection of those materials which seemed to be most likely to prove of service both to the general reader and to the special student of municipal affairs. For this reason the volume includes references of a widely differing character — some quite elementary and others semi-technical. It may appear incongruous to put such things side by side, but each has its own constituency. The field of municipal government has been approached from a broad viewpoint and regarded as including every important phase of local activity whether political, administrative, social or economic.

Scope of this Bibliography.

In determining what ought to be included and what left out, certain definite but not inflexible rules have been kept in mind. It may be well to indicate them here, for they embody principles upon which most men interested in bibliographical apparatus would probably agree; they also explain many things in this volume which might otherwise be taken as indications of editorial predilection or caprice, and may thus serve to forestall some fastidious criticism.

Rules followed in compiling it.

A satisfactory bibliography of municipal government ought to contain references: (*a*) to discussions of an elementary character

1. Endeavors to present a variety of materials.

for the benefit of general readers; (*b*) to detailed discussions and semi-technical treatises such as are likely to prove useful to the special student of the subject; and (*c*) to more elaborate bibliographical lists for the use of those who desire contact with all the materials on any particular phase of the subject.

To satisfy these various requirements some such scheme of classification as is followed in this volume seemed necessary. It appeared desirable also to give some indication as to the relative scope and usefulness of the different materials included. That does not mean, however, that every reference should be accompanied by a critical note. The scope of many writings is amply indicated by their titles; in other cases the table of contents is enough to show whether a reader is likely to find what he is looking for. To estimate fairly the value of all materials relating to the whole field of municipal government is a task far beyond the knowledge and experience of any one man. Critical notes have accordingly been inserted in this volume only where personal familiarity with the materials seemed to warrant a fair judgment expressed in few words, and even then with due allowance for the fact that values often depend upon points of view.

2. Pays special attention to municipal affairs in America.

The interest of the American student of municipal affairs relates chiefly to the cities of his own land. The quest for data regarding municipal administration in European countries is not so vigorous as it was a decade ago. References to European materials have been incorporated wherever a substantial reason for so doing has appeared; but a distinct preference has been given to those reports and discussions which deal with American problems in the light of our own conditions and experience.

3. Includes only recent publications.

Books, reports, pamphlets and articles relating to municipal government in the United States, written more than fifteen years ago, are of little or no value today. There are, of course, obvious exceptions in the case of historical studies and a few monographic treatises of enduring merit. But the rapid and comprehensive changes in political organization, in administrative methods, and in the popular attitude towards municipal problems since 1900, have greatly impaired the usefulness of anything written on such matters prior to this date. This bibliography is not therefore

designed to be of any great service to the student whose interest is antiquarian in its nature. A strong preference has been given to materials of recent date. More than three fourths of the references in this volume (excluding those relating to historical development) are to materials which have appeared since 1905; more than half are to things printed within the last five years. Many books and articles which were accounted excellent in their day have been omitted to make room for discussions which, though perhaps of inferior intrinsic merit, are up-to-the-minute in their facts and outlook.

Then there is the question of accessibility. Many informing discussions, mostly of a semi-technical character, have been omitted from these lists because they happen to be printed in serials or volumes of proceedings which have a very limited circulation and are not usually to be found even in well-equipped libraries. On the other hand, the lists have occasionally found place for things which do not measure up to a very high standard of quality, but which any one can readily lay his hands upon. Wherever practicable, however, preference has been given to official data, to reports of investigating organizations or committees, to papers read before associations of recognized standing, to treatises of scientific repute, and to articles in professional periodicals. So far as seemed possible in view of the limited material available on some topics, and except as otherwise indicated, all literature of a purely propagandist character, most of the so-termed "popular" discussions, and much of what is more controversial than contributory, have been discarded. To have cumbered the book with these things would have enlarged it out of all proportion to any enhanced value obtained by including them.

4. Gives preference to things which are readily accessible.

5. Also to official data.

In determining the limits of the bibliography and the distribution of space among the various topics, several considerations have been kept in mind. The boundary lines between municipal government on the one hand, and sociology, social ethics or allied subjects on the other, are not rigidly defined. This volume may be regarded by the apostles of strict construction as having overstepped the limits at many points. Nothing has been included,

6. Places emphasis on the social activities of the city.

however, which does not, in the widening social horizon of today, concern the student of municipal affairs as such. The machinery of city administration is now being used to promote ambitious programs of social betterment in all large American cities. The municipality is becoming our premier philanthropist. It is for this reason that references to books on immigration, child welfare, social engineering, settlements, and various similar fields of common activity, are incorporated here.

7. Allots space in accordance with importance and present-day interest of topics.

Some sections of this bibliography are much more extensive than others. This is partly because good material is abundant on some topics, while on others it is surprisingly inadequate. But in even greater measure the apportioning of space among the seventy-six sections of the book has been determined by what seemed to be the relative importance of the various topics and by the amount of present-day interest in them. That, of course, is why the section on docks and harbors is more extensive than that on bridges or bakeries, why the city-manager plan gets more attention than the bicameral council. On the relative importance of various administrative enterprises or movements there is room for legitimate difference of opinion, and men may also disagree fairly as to the things which today excite the most wide-spread popular interest. The editor's judgment in this regard has been guided by the experience of ten years in directing student research and in replying to almost daily bibliographical inquiries from every part of the country.

8. Aims to be comprehensive but not exhaustive.

It may not be amiss to venture the hope that this volume will be judged not by what it *omits* but by what it *contains*. The real test is whether it provides a handbook to which the layman, or the student, or the city official may turn with a fair assurance of being started on the right road to what he wants. Following up one reference will usually suggest another. Too much material thrown before an interested inquirer at one stroke is liable not only to bewilder and discourage but also to deprive him of that useful training which comes from repeatedly tracking down information to its primary sources.

Entire dependence, however, has not been placed upon individual opinion on any of the foregoing points. Every section of

Acknowledgment of assistance.

the bibliography has been submitted in proof form to one of my colleagues at Harvard and elsewhere, or to a technical expert, or to some interested layman, with a request for criticisms and suggestions. Grateful acknowledgment should be made for assistance given in this way by Professor George C. Whipple on sanitation and sewerage, Professor Charles J. Bullock on municipal taxation and assessments, Professor Lewis J. Johnson on direct legislation, Professor A. N. Holcombe on electoral machinery, Professor James Ford on housing, Professor Robert F. Foerster on poor relief, immigration, and crime and correction, Professor H. W. Holmes on school administration, Dr. J. S. Davis on municipal accounting, and Mr. G. H. McCaffrey on police administration. Helpful suggestions have also been given by Mr. G. W. Tillson of Brooklyn on streets and sidewalks, Mr. Calvin Tomkins of New York on docks and harbors, Dr. Delos F. Wilcox of New York on franchises, Mr. M. N. Baker of the Engineering News on water supply, Dr. Louis Bell of Boston on public lighting, Mr. H. O. Lacount of the Associated Factory Mutual Fire Insurance Companies and Mr. Franklin H. Wentworth of the National Fire Protection Association on fire prevention and protection, Dr. Mark W. Richardson of Boston on public health, Mr. O. L. Pond of Indianapolis on public service corporations, Mr. G. W. Lee of the Stone and Webster Corporation on transportation, Mr. C. F. D. Belden of the Massachusetts State Library on public libraries, Mr. Flavel Shurtleff of Boston on land takings, excess condemnation and special assessments, Mr. John Nolen and Mr. Frederick M. Eliot of Cambridge on city planning, Mr. Joseph Lee of Boston on playgrounds, Mr. L. D. Upson of Dayton on the city-manager plan, Dr. Robert A. Woods of Boston on social engineering and social surveys, Mr. John Koren of Boston on the liquor problem, Professor C. E. Merriam of the University of Chicago on nomination methods, Professor A. R. Hatton of Western Reserve University on municipal home rule, Professor John A. Fairlie of the University of Illinois on municipal history and organization, Professor O. C. Hormell of Bowdoin College on the relation of city and county, Professor J. A. Macy of Boston University Law School on the law of municipal corporations, Pro-

fessor S. Gale Lowrie of the University of Cincinnati on municipal budget-making, Professor Horace Secrist of Northwestern University on municipal debts, Professor C. P. Huse of Boston University on municipal finance, Professor John R. Commons, Professor Ford H. MacGregor and Professor Chester L. Jones of the University of Wisconsin on proportional representation, commission government, and municipal parties and politics, respectively. It should be made clear, however, that no one in this considerable list is in any way responsible for the errors in judgment or in handiwork which the book, as finally printed, may contain. The editor has had the last word on all matters and the entire responsibility belongs to him.

The work of gathering titles, selecting the ones worth while, classifying, arranging and annotating them, preparing the lists for publication, revising the proofs, making the index, and putting the volume through the press has taken nearly three years. No inconsiderable part of the inevitable drudgery connected with this exacting task has been handled by Mr. Joseph Wright, librarian, and Miss Alice M. Holden, secretary, of the Harvard Bureau for Research in Municipal Government. Without their continued help the work would have taken a much longer time, and the outcome would certainly have been much further from good results in the end. These co-workers should have a large part of the credit if the volume proves of service to teachers and students of municipal government.

Conclusion.

In conclusion, a word of self-defense. The man who undertakes to edit a bibliography must be willing to live in a glass house. He invites stone-throwing on a considerable scale. This book, for example, contains about five thousand titles. Every title has afforded an opportunity for errors in the author's name and initials, in the citation, in the place and date of publication, in the pagination figures — at a half-dozen points or more, not to speak of the possibilities of mishap which lurk in an extended index. As a mathematical proposition, therefore, this bibliography has given its editor forty or fifty thousand chances to make mistakes. Even if the task has been performed with a ninety-nine per cent approach to perfection (which is better

than even the most methodical of mortals may expect to achieve), there remains the melancholy assurance of at least one lapse from accuracy for every page. The editor ventures the hope, however, that the large amount of time spent in a scrutiny of the lists has not been barren of good results.

W. B. M.

CAMBRIDGE, MASSACHUSETTS,
May 28, 1915.

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CHAPTER I

GENERAL WORKS

SECTION I. MUNICIPAL HISTORY

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Channing, Edward, Hart, A. B., and Turner, F. J. Guide to the study and reading of American history. 2d edition. Boston, 1912. 650 pp.

Gross, Charles. Bibliography of British municipal history. New York, 1897. 461 pp. (Harvard Historical Studies, v.)

2. Brief General Surveys of Municipal History

Dillon, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

Vol. i, ch. i (pp. 1–56), Introductory historical review.

Harrison, Frederic. Rome revisited. Fortnightly Review, lix, pp. 702–721 (May, 1893).

Ancient and modern Rome as an example of municipal evolution.

Howe, F. C. The modern city and its problems. New York, 1915. 390 pp.

Ch. i (pp. 1–8), The city and civilization; ch. ii (pp. 9–23), The ancient city; ch. iii (pp. 24–33), The mediaeval town.

Palgrave, R. H. I., editor. Dictionary of political economy. 3 vols. London, 1894–1899.

Vol. i, pp. 290–296, The ancient, mediaeval and modern city.

Rowe, L. S. Problems of city government. New York, 1908. 358 pp.

Ch. i (pp. 1–13), The city in history.

3. Ancient Cities

Béchard, Ferdinand, *i. e.*, J. J. M. F. Droit municipal dans l'antiquité. Paris, 1860. 552 pp.

Cunningham, William. Western civilization in its economic aspects. Ancient times. Cambridge (England), 1911. 220 pp.

City life in ancient times, pp. 92–123.

Dill, Samuel. Roman society from Nero to Marcus Aurelius. London, 1911. 639 pp.

Ch. ii (pp. 196–250), Roman municipal life in ancient times. See also his Roman society in the last century of the Western Empire, Bk. iii, ch. i and ii (pp. 227–281). New York, 1906. 459 pp.

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.

The cities of antiquity, pp. 3–18.

Fowler, W. W. The city-state of the Greeks and Romans. London, 1908. 332 pp.

Friedländer, Ludwig. Town life in ancient Italy; a translation of Professor Ludwig Friedländer's Städtewesen in Italien im ersten Jahrhundert, by W. E. Waters. Boston, 1902. 62 pp.

Frothingham, A. L. Roman cities in Italy and Dalmatia. New York, 1910. 343 pp.

Fustel de Coulanges, N. D. The ancient city. A study on the religion, laws, and institutions of Greece and Rome. 11th edition. Translated by W. Small. Boston, 1901. 529 pp.

Lanciani, Rodolfo. The ruins and excavations of ancient Rome. Boston, 1897. 619 pp.

Contains interesting descriptions of ancient public utilities.

Reid, J. S. The municipalities of the Roman Empire. Cambridge (England), 1913. 548 pp.

Rowe, L. S. Problems of city government. New York, 1908. 358 pp.

Ch. ii (pp. 14–26), Rome and the cities of Greece and Italy.

4. Mediaeval Cities (Especially in England)

Buckley, T. A. The great cities of the middle ages; or, The landmarks of European civilization. Historical sketches. London, 1853. 432 pp.

Contents: Introduction, Aix-la-Chapelle, Basle, Upsala and Stockholm, Julin and Wisby, Venice, Florence, Pisa and Genoa, Rouen, Paris, London, York, Winchester, Oxford, Toledo, Yuste, Granada, Cologne, Nuremberg, Hamburg, Malta, Bagdad.

Colby, C. W. The growth of oligarchy in English towns. English Historical Review, v, pp. 633–653 (October, 1890).

Declareuil, Joseph. Quelques problèmes d'histoire des institutions municipales au temps de l'Empire romain. Paris, 1911. 396 pp.

Dow, E. W. Some French communes in the light of their charters. New York, 1903. 16 pp.

Reprinted from the American Historical Review, viii, pp. 641–656 (July, 1903).

Eaton, A.M. The origin of municipal incorporation in England and in the United States. New York, 1902. 81 pp.

Reprinted from the Proceedings of the American Bar Association, xxv, pp. 292–372 (1902).

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.

Ch. iii (pp. 19–31), The history of mediaeval cities; ch. iv (pp. 32–41), The history of European cities from the fifteenth to the eighteenth centuries.

Giry, Arthur, *i.e.*, J. M. J. A. . . . Emancipation of the mediaeval towns, by A. Giry and A. Réville; translated and edited by F. G. Bates and P. E. Titsworth. New York, 1907. 69 pp.

This work is a translation of ch. viii of vol. ii of Lavisse and Rambaud's Histoire générale. 12 vols. Paris, 1896–1901.

Green, Mrs. J. R. Town life in the fifteenth century. 2 vols. London, 1894.

The best general outline of borough history in the mediaeval period. Contains also material on borough organization.

Gross, Charles. The gild merchant; a contribution to British municipal history. 2 vols. Oxford, 1890.

A comprehensive and scholarly work.

LUCHAIRE, ACHILLE, *i. e.*, D. J. A. Les communes françaises à l'époque des Capétiens directs. With an introduction by L. Halphen. 2d edition. Paris, 1911. 299 pp.

MEREWETHER, H. A., and STEPHENS, A. J. History of the boroughs and municipal corporations of the United Kingdom. 3 vols. London, 1835.

POLLOCK, (SIR) FREDERICK, and MAITLAND, F. W. The history of English law before the time of Edward I. 2d edition. 2 vols. Cambridge (England), 1898.
Vol. i, pp. 634–688, The borough.

PREUSS, HUGO. Die Entwicklung des deutschen Städtewesens. Leipzig, 1906. 379 pp.

ROBIQUET, PAUL. Histoire municipale de Paris. 2d edition. 3 vols. Paris, 1904.
Contents: vol. i, Depuis les origines jusqu'à l'avénement de Henri III; ii, Règne de Henri III; iii, Règne de Henri IV.

5. HISTORY OF MODERN EUROPEAN CITIES

CROISSY, TH. DE. Dictionnaire municipal. 2 vols. Paris, 1903.
An extremely useful work for general reference. It is almost indispensable to students of local administration in France.

DAWSON. W. H. Municipal life and government in Germany. London, 1914. 507 pp.

FAIRLIE, J. A. Municipal administration. New York, 1906. 448 pp.
Ch. vi (pp. 103–113), French municipal history since 1789; ch. vii (114–124), German cities in the nineteenth century.

Great Britain. Parliament, 1835. First report of the commissioners appointed to enquire into the municipal corporations in England and Wales. 4 vols. London, 1835. (Parliamentary Papers, 1835, xxiii–xxvi.)

HOWE, F. C. The British city, the beginnings of democracy. New York, 1907. 370 pp.

——. European cities at work. New York, 1913. 370 pp.

MORGAND, LÉON. La loi municipale. 7th edition. 2 vols. Paris, 1907.

Of all works on French municipal government this is the most useful to the general student. It is a clause by clause commentary on the municipal code of 1884, avoiding needless detail, but covering in a comprehensive way every aspect of municipal organization.

MUNRO, W. B. The government of European cities. New York, 1909. 409 pp.

History of French, Prussian, and English cities, pp. 1–10, 113–117, 209–215. See also bibliographies, pp. 380–402.

PREUSS, HUGO. Die Entwicklung des deutschen Städtewesens. Leipzig, 1906. 379 pp.

This work is planned to occupy two volumes, of which only one has as yet appeared. This volume presents a lucid and readable outline of German municipal development from the standpoint of an advanced Liberal.

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.

The modern city, pp. 37–43.

Schriften des Vereins für Sozialpolitik. Verfassung und Verwaltungsorganisation der Städte. 7 vols. Leipzig, 1906–1908.

A series of volumes containing contributions by various authors on the history and present organization of city government, particularly in the states of the German Empire. Vol. vii includes surveys of municipal history and organization in England, France, and the United States.

SHAW, ALBERT. Municipal government in continental Europe. New York, 1906. 505 pp.

Ch. i, Paris, the typical modern city; ch. iv, Recent progress of Italian cities; ch. v, The framework of German city government; ch. viii, The transformation of Vienna; ch. ix, Budapest, the rise of a new metropolis.

——. Municipal government in Great Britain. New York, 1904. 385 pp.

VINE, J. R. S. English municipal institutions; their growth and development from 1835 to 1879, statistically illustrated. London, 1879. 272 pp.

WEBB, SIDNEY, and BEATRICE. English local government (1689–1835) from the revolution to the municipal corporations act. 5 vols. London, 1906–1913.

Vol. iii contains an extensive and accurate survey of borough history.

6. American Municipal History

Blodgett, J. H. Free burghs in the United States. Annual report, American Historical Association, 1895, pp. 299–317.

Bryce, James. The American commonwealth. Revised edition. 2 vols. New York, 1911.
History of local government in the colonial period, i, pp. 596–600.

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.
Ch. v (pp. 72–102), Municipal development in the United States.

——. Essays in municipal administration. New York, 1908. 374 pp.
Ch. iv (pp. 48–94), Municipal corporations in the Colonies.

——. Local government in counties, towns and villages. New York, 1906. 289 pp.
Ch. ii (pp. 18–32), The colonial period; ch. iii (pp. 33–56), Under state governments; ch. xi (pp. 200–214), Villages and boroughs.

Freeman, E. A. An introduction to American institutional history. Baltimore, 1882. 39 pp. (Johns Hopkins University Studies in Historical and Political Science, i, Pt. I.)

Goodnow, F. J. City government in the United States. New York, 1904. 315 pp.
Ch. iii (pp. 43–68), The development of the city in the United States. See also his Municipal government, *passim*. New York, 1909. 401 pp.

——. Municipal problems. New York, 1897. 321 pp.
Ch. i (pp. 1–21), History of municipal organization in the United States.

Howe, F. C. The city, the hope of democracy. New York, 1906. 319 pp.
Ch. i (pp. 1–8), Introduction; ch. ii (pp. 9–23), The new civilization.

Munro, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. i (pp. 1–28), American municipal development.

Wilcox, D. F. Great cities in America; their problems and their government. New York, 1910. 426 pp.
Ch. i, Introduction; ch. ii, Washington; ch. iii, New York; ch. iv, Chicago; ch. v, Philadelphia; ch. vi, St. Louis; ch. vii, Boston; ch. viii, Problems of the great cities.

7. Histories of Individual American Cities [1]

Albany, N. Y.

Munsell, Joel. Collections on the history of Albany from its discovery to the present time. 4 vols. Albany, 1865–1871.

Contains much valuable material.

Annapolis, Md.

Ridgely, David. Annals of Annapolis. Baltimore, 1841. 283 pp.

A good discussion of early charters.

Riley, E. S. The ancient city. A history of Annapolis, 1649–1887. Annapolis, 1887. 395 pp.

Includes the charter of 1708.

——. Ye antient capital of Maryland, 1649–1901. Annapolis, 1901. 67 pp.

Baltimore.

Coyle, W. F. Records of the city of Baltimore. 3 vols. Baltimore, 1909.

Hollander, J. H. The financial history of Baltimore. Baltimore, 1899. 397 pp. (Johns Hopkins University Studies in Historical and Political Science, extra vol. xx (1899).)

An informing, scientific study.

Reynolds, William. Baltimore under its new charter. Annals of the American Academy of Political and Social Science, xxvii, pp. 168–179 (January, 1906).

Gives outline of charters.

Thomas, T. P. City government of Baltimore. Baltimore, 1896. (Johns Hopkins University Studies in Historical and Political Science, xiv, pp. 47–91 (1886).)

Boston.

Bugbee, J. M. City government of Boston. Baltimore, 1887. 60 pp. (*Ibid.*, iii (1887).)

Matthews, Nathan. City government of Boston. Boston, 1895. 289 pp. (Valedictory address to members of the city council, January 5, 1895.)

[1] This list is not designed to be complete. It contains only references to monographs on selected cities.

Boston (continued).

QUINCY, JOSIAH. Municipal history of the town and city of Boston (1630–1830). Boston, 1852. 444 pp.

SPRAGUE, H. H. The city government of Boston; its rise and development. Boston, 1890. 53 pp.

WINSOR, JUSTIN, editor. Memorial history of Boston, 1630–1880. 4 vols. Boston, 1881–1883.

Vol. iv covers the period of the nineteenth century.

Buffalo.

LARNED, J. N. History of Buffalo. 2 vols. Buffalo, 1911.

Chicago.

ANDREAS, A. T. History of Chicago. 3 vols. Chicago, 1884–1886.

BROSS, WILLIAM. History of Chicago. Chicago, 1876. 126 pp.

GROSSER, H. S. Chicago; a review of its governmental history from 1837–1906. Chicago, 1906. 128 pp.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Chicago: history, i, pp. 251–254. References, p. 254.

SPARLING, S. E. Municipal history and present organization of the city of Chicago. Madison, 1898. 188 pp. (Bulletin of the University of Wisconsin, no. 23 (May, 1898).)

Cleveland.

BURTON, C. M. Chapter in the history of Cleveland. Detroit, 1895. 31 pp.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Cleveland: history, i, pp. 295–297. References, p. 297.

WILLIAMSON, C. C. The finances of Cleveland. New York, 1907. 266 pp. (Columbia University Studies in History, Economics and Public Law, xxv, no. 3.)

See also, below, under *Detroit*, D. F. Wilcox, Municipal government in Michigan and Ohio.

Denver, Colo.

KING, C. L. The history of the government of Denver with special reference to its relations with public service corporations. Denver, 1911. 322 pp.

One of the best studies in the field of American municipal history.

Detroit.

FARMER, SILAS. The history of Detroit and Michigan. 2 vols. Detroit, 1889.

WILCOX, D. F. Municipal government in Michigan and Ohio: a study in the relations of city and commonwealth. New York, 1896. 180 pp. (Columbia University Studies in History, Economics and Public Law, v, no. 3.)

Los Angeles, Cal.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Los Angeles: history, ii, 372–373. References, p. 373.

Milwaukee, Wis.

LARSON, L. M. A financial and administrative history of Milwaukee. Madison, 1908. 182 pp. (Bulletin of the University of Wisconsin, no. 242 (June, 1908).)

New Haven, Conn.

LIVERMORE, C. H. The republic of New Haven. A history of municipal evolution. Baltimore, 1886. 342 pp. (Johns Hopkins University Studies in Historical and Political Science, extra vol. i (1886).)

New Orleans, La.

HOWE, W. W. Municipal history of New Orleans. Baltimore, 1889. 33 pp. (*Ibid.*, vii, no. 4 (1889).)

An excellent short sketch.

New York City.

BOOTH, M. L. History of the city of New York. 2 vols. New York, 1867.

DIX, J. A. Sketch of the resources of the city of New York, with a view of its municipal government. New York, 1827. 104 pp.

Valuable material for the period 1800–1825.

DURAND, E. D. The finances of New York City. New York, 1898. 397 pp.

LAMB, MARTHA J., and HARRISON, Mrs. BURTON. History of the city of New York, its origin, rise, and progress. 3 vols. New York, 1877–1896.

New York City (continued).

LEONARD, J. W. History of the city of New York, 1609–1909. New York, 1910. 954 pp.

LOSSING, B. J. History of New York City, 1609–1884. 2 vols. New York, 1884.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

New York City: history, ii, pp. 539–544. References, p. 544.

MOSS, FRANK. The American metropolis from Knickerbocker days to the present time. New York City life in all its various phases. 3 vols. New York, 1897.

TODD, C. B. Brief history of the city of New York. New York, 1899. 299 pp.

WILSON, J. G. Memorial history of the city of New York. 4 vols. New York, 1892.

Norfolk, Va.

BURTON, H. W. The history of Norfolk, Virginia, 1736 to 1877. Norfolk, 1877. 246 pp.

Philadelphia.

ALLISON, E. P., and PENROSE, BOIES. Philadelphia, 1681–1887. A history of municipal development. Baltimore, 1887. 392 pp. (Johns Hopkins University Studies in Historical and Political Science, extra vol. ii (1887).)

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Philadelphia: history, ii, pp. 676–679. References, p. 679.

PRICE, E. K. History of the consolidation of Philadelphia. Philadelphia, 1873. 140 pp.

University of Pennsylvania. Wharton School of Finance and Economy. The city government of Philadelphia. A study in municipal administration. Philadelphia, 1893. 278 pp. (Wharton School Studies in Politics and Economics, ii, no. 2 (June, 1893).)

YOUNG, J. R., editor. Memorial history of the city of Philadelphia, from its first settlement to the year 1895. 2 vols. New York, 1895–1898.

Pittsburgh.

McLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Pittsburgh: history, ii, pp. 694–695. References, p. 695.

Providence, R. I.

KIRK, WILLIAM. A modern city: Providence, Rhode Island, and its activities. Chicago, 1909. 363 pp. (Publication of the University of Chicago.)

St. Louis.

SNOW, M. S. The city government of St. Louis. Baltimore, 1887. 40 pp. (Johns Hopkins University Studies in Historical and Political Science, v, no. 4 (1887).)

San Francisco.

MOSES, BERNARD. The establishment of municipal government in San Francisco. Baltimore, 1889. 83 pp. (*Ibid.*, vii, no. 2 and 3 (1889).)

Washington, D. C.

CLEPHANE, W. C. A history of the government of the District of Columbia. Washington, 1892. 24 pp.

DODD, W. F. The government of the District of Columbia; a study in federal and municipal administration. Washington, 1909. 298 pp.

PORTER, J. A. The city of Washington; its origin and administration. Baltimore, 1885. 55 pp. (Johns Hopkins University Studies in Historical and Political Science, iii, no. 11 and 12 (1885).)

TINDALL, WILLIAM. Origin and government of the District of Columbia. Washington, 1912. 183 pp.

SECTION II. MUNICIPAL STATISTICS

1. GENERAL STATISTICS OF AMERICAN CITIES

United States. Bureau of the Census. Statistics of cities of over 30,000. Washington. Published annually since 1905.
The issue for 1905 covers statistics for the years 1902–1903. The statistics are almost wholly financial in character and are arranged in tables. In general the facts presented in these tables relate to total municipal receipts and payments, amount and value of public properties and improvements, indebtedness, the distribution of receipts and payments, etc.

2. State Statistical Publications Containing Data Relating to Cities [1]

Indiana. Department of Inspection and Supervision of Public Offices. Comparative report of municipal finances. Indianapolis. Published annually since 1911.

Iowa. Department of Finance and Municipal Accounts. Statistics of cities and towns of Iowa. Des Moines. Published annually since 1911.

Massachusetts.

Bureau of Statistics. Annual report on the statistics of municipal finances. No. 1, January, 1910. Boston. Published annually since 1906.

——. Municipal Bulletin. Boston. Issued irregularly.

To date Bulletins 1-6 have appeared.

Minnesota. Tax Commission. The cost of government in Minnesota. By E. V. Robinson. St. Paul, 1912. 287 pp.

This forms ch. xv of the Minnesota Tax Commission's third biennial report.

Missouri. Bureau of Labor Statistics and Inspection. Annual reports. First, 1880. Jefferson City.

See especially the Twenty-third annual report, pp. 358–374 (1900–1901), for statistics of Missouri cities having 100,000 population and over.

New York State. Public Service Commission. First District. Annual reports. New York. Published annually since 1907.

In the annual reports the following volumes are devoted to statistics:

1907. Vol. ii, Statistics of public service corporations.
1908. Vol. iii, Statistics of public service corporations.
1909. Vol. iii, Statistics of public service corporations.
1910. Vol. iii, Statistics of transportation companies.
Vol. iv, Statistics of gas and electric corporations.
1911. Vol. ii, Statistics of transportation companies.
Vol. iii, Statistics of gas and electric corporations.
1912. Vol. ii, Statistics of transportation companies.
Vol. iii, Statistics of gas and electric corporations.

Ohio. Bureau of Inspection and Supervision of Public Offices. Comparative statistics, cities of Ohio. Columbus. Published annually since 1904.

[1] Some states, in addition to those listed here, issue publications containing various municipal statistics, but they are not very comprehensive.

Rhode Island. Commissioner of Industrial Statistics. Annual reports. Providence. Published annually since 1888.

Each report contains a section devoted to the statistics of municipal finance.

Wisconsin. Bureau of Labor and Industrial Statistics. Biennial reports. Madison. Published biennially since 1884.

3. Statistical Publications of American Cities [1]

Boston.

Statistics Department. Annual reports. Boston. Published annually since 1898.

——. Monthly Bulletin. Boston. Published monthly since 1899.

——. Special publications. Boston. Published irregularly since 1898.

Chicago. Bureau of Statistics. City of Chicago statistics. Chicago. Published irregularly by the Chicago Municipal Reference Library and the Bureau of Statistics from March, 1901, to February, 1908.

The last issue is vol. vii, no. 4; it has been succeeded by the Chicago City manual.

Minneapolis, Minn. Municipal statistics. Minneapolis. Published irregularly.

Mobile, Ala. Municipal statistics. Monthly statement. Mobile. Published monthly since October, 1914.

Omaha, Nebr. Department of Accounts and Finances. Municipal statistics. Omaha. Published monthly since May 31, 1911.

Providence, R. I. Municipal Reference Bureau. Statistics relative to the city of Providence. Providence, 1914. 30 pp.

4. Statistics of Foreign Cities

(*a*) *By countries*

Austria. Statistische Central-Commission. Österreichisches Städtebuch auf Grund der Berichte von grösseren österreichischen Städten. Vienna. Published annually since 1887.

[1] A selected list of six cities. Most other cities do not issue special statistical publications but include the figures in their regular annual documents, reports, or city manuals.

France. Ministère de l'Intérieur. La situation financière des communes de France et d'Algérie. Paris. Published annually since 1878.

Germany. Statistisches Amt. Statistisches Jahrbuch deutscher Städte. Breslau. Published annually since 1890.

Great Britain. Municipal year book of the United Kingdom. London. Published annually since 1897.

Italy. Annuario statistico delle città Italiane. Edited by CESARE CORRENTI. Florence. Published annually since 1906.

(*b*) *By cities*

Amsterdam. Bureau van Statistiek. Statistisch Jaarboek der gemeente Amsterdam uitgegeven door het Bureau van Statistiek de gemeente. Amsterdam. Published for each year since 1895.

The text and title are also printed in French.

Berlin.

Statistisches Amt. Statistisches Jahrbuch der Stadt Berlin. Berlin. Published annually since 1874.

Verwaltungsbericht des Magistrats zu Berlin. Berlin. Published annually since 1869.

Buenos Aires. Direccion General de Estadística Municipal. Boletin mensual de estadística municipal de la ciudad de Buenos Aires. Buenos Aires. Published monthly since 1887.

Contains scientific, social, vital, police, financial, and other statistics.

Dresden. Statistisches Amt. Statistisches Jahrbuch für die Stadt Dresden. Dresden. Published annually since 1899.

London.

London County Council. London statistics. London. Published annually since 1890.

London citizens' year book. London. Published annually since 1909.

London manual. London. Published annually from 1906 to 1908.

Paris.

Seine (Dept.). Service de la Statistique Municipale. Annuaire statistique de la ville de Paris. Paris. Published annually since 1880.

Each volume contains the figures for the second year preceding.

Encyclopédie municipale de la ville de Paris. Edited by LÉON MARTIN. 3 vols. Paris, 1902–1904.

Tokyo. Annual statistics of the city of Tokyo. Tokyo. Published annually since 1904.

Printed in English and in Japanese.

SECTION III. ENCYCLOPEDIAS, YEARBOOKS, AND WORKS OF REFERENCE

1. GENERAL

Annual register; a review of public events at home and abroad. London and New York. Published annually since 1758.

A standard chronicle of all important public events.

BLISS, W. D. P. The new encyclopedia of social reform, including all social reform movements and activities, and the economic, industrial, and sociological facts and statistics of all countries and all social subjects. New York, 1908. 1321 pp.

Encyclopedia Britannica. 11th edition. 28 vols. and index Cambridge (England), 1911.

Contains many excellent articles on municipal affairs, with bibliographies.

Statesman's year book; statistical and historical annual of the states of the world. New York and London. Published annually since 1864.

The best general yearbook for all purposes. Since 1906 a part of each annual volume is devoted to the United States.

2. UNITED STATES

American year book; a record of events and progress. New York. Published annually since 1910.

A useful annual containing reliable data on many branches of municipal government, with bibliographies.

LALOR, J. J., editor. Cyclopedia of political science, political economy, and of the political history of the United States. 3 vols. Chicago, 1881–1884.

Most of the material is now out of date, but the historical discussions are, in some cases, of considerable value.

League of American Municipalities. The book of American municipalities; containing statistical tables of the revenues and expenditures of cities, and an authentic summary of civic progress and achievements. 4 vols. Chicago, 1906–1910.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Includes brief articles on every branch of municipal government, as well as full discussions of such topics as commission government, the initiative, referendum and recall, police administration, city planning, etc.

The World almanac and encyclopedia. New York. Published annually since 1873.

A low-priced handbook with an enormous amount and variety of data, all well arranged.

3. GREAT BRITAIN

Encyclopedia of local government law. Edited by J. SCHOLEFIELD. 7 vols. London, 1905–1908.

The best source of general information on any matter of English borough government.

4. FRANCE

BLOCK, MAURICE. Dictionnaire de l'administration française. 5th edition. 2 vols. Paris, 1905–1906.

CROISSY, TH. DE. Dictionnaire municipal. Manuel des maires, contenant, par ordre alphabétique, les dispositions des lois, décrets, ordonnances, instructions et circulaires, arrêts du conseil d'état et de la cour de cassation. 2 vols. Paris, 1903.

Descriptive articles on all important matters of French local government.

5. GERMANY

Handwörterbuch der Kommunal–Wissenschaften. Edited by A. SÜDEKUM and others. 3 vols. Jena, 1914.

The best of all local government encyclopedias.

Handwörterbuch der Staatswissenschaften. 3d edition. 8 vols. Jena, 1909–1911.

A well-known encyclopedia containing many articles on municipal administration, with bibliographies.

Kommunales Jahrbuch. Edited by H. LINDEMANN and A. SÜDEKUM. Jena. Published annually since 1908.

Brings together each year a great deal of descriptive and statistical information.

6. CANADA

Union of Canadian Municipalities. The official yearbook. Montreal. Published annually since 1901.

7. BIBLIOGRAPHICAL INDEXES

Engineering Index Annual. Bibliography of municipal government. Compiled from the Engineering Index. New York, 1907.

Compiled from statistics published monthly in the Engineering Magazine since 1906.

Municipal Index. An index to current municipal literature and a list of important books on municipal subjects. New York, 1914.

Reprinted from second issues each month of the Municipal Journal since 1907.

National Municipal Review. Vol. i, January, 1912. Philadelphia.

Each issue of the Review contains a list of current references on subjects dealing with municipal government.

New York City. Public Library. Municipal Reference Branch. Notes. Vol. i, October 28, 1914. New York. Weekly.

SECTION IV. TEXT BOOKS AND GENERAL DISCUSSIONS

ASHLEY, PERCY. Local and central government; a comparative study of England, France, Prussia, and the United States. London, 1906. 396 pp.

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Interesting brief discussions of water supply, sanitation, pavements, fire protection, etc.

BEARD, C. A. American city government; a survey of newer tendencies. New York, 1912. 420 pp.

Contents: ch. i, The people of the city; ch. ii, Home rule; ch. iii, Municipal democracy; ch. iv, Municipal government and administration; ch. v, Raising and spending the city's money; ch. vi, Guarding the city against crime and vice; ch. vii, Franchises and public utilities; ch. viii, Municipal ownership; ch. ix, The streets of the city; ch. x, Guarding the health of the people; ch. xi, Tenement-house reform; ch. xii, Education and industrial training; ch. xiii, Municipal recreation; ch. xiv, City planning; appendix I, Outline of sections for a model street railway franchise; appendix II, Recommendations of the New York City Commission on Congestion; appendix III, Bibliography.

CLEVELAND, F. A. Chapters on municipal administration and accounting. New York, 1909. 361 pp.

Chapters on many topics connected with municipal finance.

DAWSON, W. H. Municipal life and government in Germany. London, 1914. 507 pp.

Covers all important branches of German city administration.

DEMING, H. E. The government of American cities. New York, 1909. 323 pp.

Lays special emphasis on the relation of the city to the state. Contains a reprint of the National Municipal League's Municipal program.

FAIRLIE, J. A. Essays in municipal administration. New York, 1908. 374 pp.

Contents: ch. i, Some phases of municipal government; ch. ii, Problems of American city government from the administrative point of view; ch. iii, The relation of civil service reform to municipal administration; ch. iv, Municipal corporations in the colonies; ch. v, The municipal crisis in Ohio; ch. vi, Municipal codes in the Middle West; ch. vii, American municipal councils; ch. viii, Recent legislation on municipal functions in the United States; ch. ix, Public works administration in American cities; ch. x, Revenue systems of American and foreign cities; ch. xi, Municipal electric lighting in Detroit; ch. xii, The street railway question in Chicago; ch. xiii, Some considerations on municipal ownership of public utilities; ch. xiv, Comparative municipal statistics; ch. xv, Municipal activities in Great Britain; ch. xvi, Municipal conditions in some European cities; ch. xvii, Municipal government in Vienna; ch. xviii, Municipal government in Italy; ch. xix, Instruction in municipal government.

——. Municipal administration. New York, 1906. 448 pp.

Covers the entire field of municipal government and administration.

GOODNOW, F. J. City government in the United States. New York, 1904. 315 pp.

The best short survey of American municipal affairs, both governmental and administrative.

——. Municipal government. New York, 1909. 401 pp.

Contents: ch. i, Urban growth; ch. ii, Trade and industry; ch. iii, The character of city populations; ch. iv, The city-state; ch. v, The city as an administrative district of a larger state; ch. vi, The city as an organ for the satisfaction of local needs; ch. vii, The legal position of the modern city; ch. viii, State control over cities; ch. ix, The participation of the people in city government; ch. x, The city council; ch. xi, The city executive; ch. xii, Police administration; ch. xiii, The administration of charities and correction; ch. xiv, Educational administration; ch. xv, Local improvements; ch. xvi, Financial administration; ch. xvii, Conclusions.

——. Municipal problems. New York, 1907. 321 pp.

HOWE, F. C. The British city, the beginnings of democracy. New York, 1907. 370 pp.

——. The city, the hope of democracy. New York, 1906. 319 pp.

——. European cities at work. New York, 1913. 370 pp.

——. The modern city and its problems. New York, 1915. 390 pp.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.

Contents: ch. i, American municipal development; ch. ii, The social structure of the city; ch. iii, The city and the state; ch. iv, Municipal powers and responsibilities; ch. v, The municipal electorate; ch. vi, Municipal nominations and elections; ch. vii, Municipal parties and politics; ch. viii, The city council; ch. ix, The mayor; ch. x, The administrative departments; ch. xi, Municipal officials and employees; ch. xii, City government by a commission; ch. xiii, Direct legislation and the recall; ch. xiv, Municipal reform and reformers.

——. The government of European cities. New York, 1909. 409 pp.

Contents: ch. i, The government of French cities; ch. ii, The government of Prussian cities; ch. iii, The government of English cities; ch. iv, Sources and literature.

——. Principles and methods of administration. New York, 1915.

REDLICH, JOSEF, and HIRST, F. W. Local government in England. 2 vols. London, 1903.

Some good chapters on city government.

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.

SHAW, ALBERT. Municipal government in continental Europe. New York, 1903. 505 pp.

——. Municipal government in Great Britain. New York, 1904. 385 pp.

Both the foregoing are very readable books but they describe conditions as they existed nearly twenty years ago.

WILCOX, D. F. The American city; a problem in democracy. New York, 1904. 423 pp.

——. Great cities in America; their problems and their government. New York, 1910. 426 pp.

Describes the government and problems of New York, Chicago, Philadelphia, St. Louis, Boston, San Francisco, and Washington.

ZUEBLIN, CHARLES. American municipal progress; chapters in municipal sociology. New York, 1903. 380 pp.

SECTION V. SERIAL PUBLICATIONS

1. GENERAL PERIODICALS (IN ENGLISH) DEVOTED WHOLLY TO MUNICIPAL AFFAIRS

American City. Vol. i, September, 1909. New York. Monthly.

A readable magazine especially useful as a source of information on current municipal affairs. Well illustrated.

American Municipalities. Vol. i, 1903. Marshalltown (Iowa). Monthly.

Official bulletin, League of American Municipalities, League of Iowa Municipalities, League of Nebraska Municipalities, League of Kansas Municipalities, League of Minnesota Municipalities. Formerly called City Hall-Midland Municipalities.

Canadian Municipal Journal. Vol. i, 1905. Montreal. Monthly.

Official organ of the Union of Canadian Municipalities.

Local Government Review. Vol. i, 1908. London. Monthly.

Deals almost wholly with British municipal affairs.

Municipal Affairs. Vols. i–vi, 1897–1902. New York. Quarterly.

No more published. The existing files contain some good historical discussions.

Municipal Engineering. Vol. i, 1890. Indianapolis. Monthly.

Vols. i-x called Paving and Municipal Engineering.

Municipal Journal (London). Vol. i, 1893. London. Weekly.
A well-edited journal of English municipal government.

Municipal Journal (New York). 1901. New York. Weekly.
Continued from vol. x (1901) of City Government (1895), which included the Municipal and Railway Record; vols. x-xxxii, no. 18, called Municipal Journal and Engineer; from vol. xxxii, no. 19 (May 9, 1912) the title appears as Municipal Journal.

National Municipal Review. Vol. i, January, 1912. Philadelphia. Published quarterly by the National Municipal League.
A most useful publication. Contains contributed articles, short discussions, notes and current news, book reviews and bibliographical lists. Indispensable to all serious students of city affairs.

Pacific Municipalities. Vol. i, August, 1899. Santa Clara, 1901–. Monthly.
Official organ of the League of California Municipalities. Title varies: August, 1899–July, 1903, California Municipalities; August, 1903, Pacific Municipalities.

Town Development. Vol. i, 1910. Chicago. Monthly.

2. General Periodicals Devoted Partly to the Discussion of Municipal Affairs [1]

American Journal of Sociology. Vol. i, 1895. Chicago. Bi-monthly.

American Political Science Review. Vol. i, 1906. Baltimore. Quarterly.
Each issue includes a department devoted to current municipal affairs.

Annals of the American Academy of Political and Social Science. Vol. i, 1890. Philadelphia. Bi-monthly.
A whole issue is from time to time devoted to the discussion of some important municipal question.

Engineering News. Vol. i, 1874. New York. Monthly.
Every number contains materials on municipal engineering.

Engineering Record. Vol. i, 1887. New York. Monthly.

Journal of Political Economy. Vol. i, 1892. Chicago. Monthly.

Political Science Quarterly. Vol. i, 1886. New York.

[1] For periodicals devoted to special branches of municipal administration, see under City Planning, Civil Service, Fire Protection, Lighting, Police, Transportation, etc. A full list of these is given in H. I. Severance, compiler, A guide to the current periodicals and serials of the United States and Canada. 3d edition. Ann Arbor, 1914. 462 pp.

Special Libraries. Vol. i, 1910. Indianapolis. Monthly.

The Survey. Vol. i, 1897. New York. Weekly.
Formerly called Charities and the Commons. A weekly record of social betterment.

3. Official Periodicals of Cities

Atlantic City, N. J. Commission Government. Vol. i, March, 1913. Atlantic City. Monthly.

Baltimore. Municipal Journal. Vol. i, January 17, 1913. Baltimore. Bi-weekly.

Boston. City Record. Vol. i, August 14, 1909. Boston. Weekly.

Chattanooga, Tenn. Municipal Record. Vol. i, June, 1911. Chattanooga. Monthly.

Cleveland. The City Record. Vol. i, January, 1914. Cleveland. Weekly.

Denver, Colo. City of Denver. Vols. i–iii, 1910–1914. Denver. Bi-weekly.
Published weekly until October, 1912, under the title of Denver Municipal Facts.

Houston, Texas. Progressive Houston. Vol. i, 1909. Houston. Monthly.

Los Angeles, Cal. Los Angeles Municipal News. Vol. i, 1912–1913. Los Angeles.
Published weekly by the municipal newspaper commission from April 17, 1912, to April 9, 1913.

Memphis, Tenn. Commission Government. Vol. i, October, 1912. Memphis. Monthly.

New York City. City Record. Vol. i, June 24, 1873. New York. Daily.

San Francisco. Municipal Record. Vol. i, 1908. San Francisco. Weekly.

Spokane, Wash. Official Gazette. Vol. i, March 18, 1911. Spokane. Weekly.

Tacoma, Wash. Municipal Bulletin. Vol. i, January, 1911. Tacoma. Monthly.

4. Unofficial Periodicals Dealing with the Public Affairs of Individual Cities (Including those Issued by Boards of Trade, etc.)[1]

Baltimore. Women's Civic League. Civic Courier. Vol. i, 1913. Baltimore. Published irregularly.

Berkeley, Cal. Civic Club of Berkeley. Civic Bulletin. Vol. i, January, 1913. Berkeley. Monthly.

Boston.

Chamber of Commerce. Current Affairs. Vol. i, 1910. Boston. Weekly.

Formerly called the Chamber of Commerce News.

Good Government Association. City Affairs. Vol. i, 1906. Published irregularly.

Buffalo. Chamber of Commerce. Buffalo Live Wire. Vol. i, 1911. Buffalo. Monthly.

Chicago. Association of Commerce. Chicago Commerce. Vol. i, June 1, 1905. Chicago. Published weekly.

Issued daily until August 31, 1905, under title of Bulletin.

Cleveland. Civic League. Municipal Bulletin. Vol. i, May, 1910. Cleveland. Published irregularly.

Dayton, Ohio. Chamber of Commerce. Greater Dayton. Vol. i, 1910. Dayton. Monthly.

Denver, Colo. Chamber of Commerce. News Bulletin. Vol. i, July, 1910. Denver. Monthly.

Detroit. Board of Commerce. The Detroiter. Vol. i, 1911. Detroit. Weekly.

Vols. i–v, issued monthly.

New York City. Citizens' Union. The Searchlight. Vol. i, May, 1911. New York. Published irregularly.

St. Louis. Civic League. Public Affairs. Vol. i, January 10, 1913. St. Louis. Bi-monthly.

Formerly called Civic Bulletin, vols. i-ii, 1911–1912. Temporarily discontinued with vol. ii, no. 4 (August–September, 1914).

San Francisco. Civic League. The Improver. Vol. i, May, 1912. San Francisco. Monthly.

Issued somewhat irregularly.

[1] Only a selected list of the more important publications is included.

Seattle, Wash. Municipal League. Municipal League News. Vol. i, 1910. Seattle. Weekly.

Worcester, Mass. Board of Trade. The Worcester Magazine. Vol. i, 1901. Worcester. Monthly.

Mention should also be made of the publications issued by various city clubs which include addresses and notes on municipal affairs, for example:

Boston. City Club. Bulletin. Vol. i, 1907. Boston. Monthly.

Chicago. City Club. Bulletin. Vol. i, 1907. Chicago. Published irregularly.

New York City. City Club. Bulletin. Vol. i, 1895. New York. Monthly.

Issued regularly only at intervals: November, 1895–August, 1896; September, November, 1907; January, 1908; December, 1909–June, 1910; June, 1911.

Philadelphia. City Club. Bulletin. Vol. i, October, 1909. Philadelphia. Monthly.

5. Proceedings of Organizations Devoted Wholly to the Discussion of Municipal Affairs

American Civic Association. Bulletin, 1904–. Department pamphlets, 1905–. Special series, 1905–. Washington.

These bulletins are published at irregular intervals and deal chiefly with civic improvements.

American Society of Municipal Improvements. Proceedings of the annual conventions. First annual convention, 1894. Milwaukee.

League of American Municipalities. Proceedings of annual conventions. First annual convention, 1900. Des Moines.

League of Minnesota Municipalities. Proceedings of the annual conventions. First annual convention, 1913. St. Paul.

Prepared by the Municipal Reference Bureau of the General Extension Division, University of Minnesota.

League of Pacific Northwest Municipalities. Proceedings of annual conferences. First annual conference, 1912. Walla Walla.

League of Texas Municipalities. Proceedings of annual meetings. First annual meeting, 1913. Austin.
Prepared by the Bureau of Municipal Research and Reference of the University of Texas, 1914.

League of Virginia Municipalities. Proceedings of annual conventions. First annual convention, 1906.

League of Washington Municipalities. Proceedings of annual conventions. First annual convention, 1910. Seattle.

National Municipal League. Proceedings of the conferences for good city government and the annual meetings of the National Municipal League. 17 vols. Philadelphia, 1894–1911.
A valuable storehouse of material. Since 1912 the papers and discussions have been printed in the National Municipal Review (see above, p. 23).

New York State. Conference of Mayors and Other City Officials. Proceedings of conferences. First annual conference, 1911. New York.

The following university series contain important monographs on municipal questions:

Columbia University. Studies in History, Economics and Public Law. Vol. i, 1891. New York.

Johns Hopkins University. Studies in Historical and Political Science. Vol. i, 1883. Baltimore.

University of Illinois. Studies in the Social Sciences. Vol. i, 1912. Urbana-Champaign.

University of Minnesota. Research Publications. Current Problems. No. 1, November, 1913. Minneapolis.

University of Pennsylvania. Wharton School. Studies in Politics and Economics. Vol. i, 1892. Philadelphia.

University of Toronto. Studies. History and Economics. Vol. i, 1896. Toronto.

University of Wisconsin. Bulletins. Economics, Political Science and History Series. Madison. Published since 1894.

6. Proceedings of Organizations Devoted to Special Branches of Municipal Administration [1]

American Water Works Association. Proceedings of annual conventions, 1880–1913. Baltimore.

Beginning with 1914, the Journal of the American Water Works Association (published quarterly) takes the place of the Proceedings.

National Civil Service Reform League. Proceedings of the annual meetings. First annual meeting, 1882. New York.

National Conferences of Charities and Correction. Proceedings. First annual conference, 1874. Chicago. Published annually.

National Conferences on City Planning. Proceedings. First annual conference, 1909. Boston. Published annually.

Many valuable papers and discussions are included in the proceedings of the six conferences which have already been held.

National Fire Protection Association. Proceedings of the annual meetings. First annual meeting, 1897. Boston.

National Housing Association. Proceedings of the national conferences on housing. First annual conference, 1911.

Include many valuable papers and discussions on the housing problem and allied subjects.

National Tax Association. Proceedings of the national conferences on state and local taxation. First annual conference 1907. Columbus. Published annually.

In 1908 the name of the Association was changed to International Tax Association; in September, 1911, the original name was resumed.

7. Publications of Bureaus of Reference, Efficiency and Research [2]

The following bureaus have issued publications, either regularly or at intervals, during the last few years. A full list of these may

[1] In addition to the organizations listed here there are many others which deal with such matters as education, playgrounds, prison reform, poor relief, child welfare, immigration, and with other social problems closely related to municipal administration. Brief accounts of their annual meetings are usually given in the Survey or in the American City. Other organizations of a professional nature give special attention to sanitary engineering, public lighting, etc. Their work may be followed in the issues of the Engineering News.

[2] For bureaus of research and reference connected with universities, see below, pp. 389–390.

be found in J. B. Kaiser, Law, legislative, and municipal reference libraries, pp. 416–423. Boston, 1914. 467 pp.

Baltimore.

Bureau of State and Municipal Research. Publications. Baltimore, 1913–.

Department of Legislative Reference. Annual reports and publications. Baltimore, 1907–.

Boston. Finance Commission. Reports. Vol. i, 1907. Boston.

Chicago.

Bureau of Public Efficiency. Publications. Chicago, 1911–.

Municipal Reference Library. Bulletins. Chicago, 1913–.

Cincinnati, Ohio. Bureau of Municipal Research. Publications. Cincinnati, 1910–.

Dayton, Ohio. Bureau of Municipal Research. Publications. Dayton, 1912–.

Hoboken, N. J. Bureau of Municipal Research. Publications. Hoboken, 1909–.

Kansas City, Mo. Municipal Reference Library. Publications. Kansas City, 1912–.

Memphis, Tenn. Bureau of Municipal Research. Publications. Memphis, 1909, 1910.

Activities temporarily ceased in 1911 for lack of funds.

Milwaukee, Wis. Bureau of Economy and Efficiency. Bulletins 1–19. Milwaukee, 1911–1912.

Supplanted in September, 1912, by a Bureau of Municipal Research. Publications. Milwaukee, 1913.

New York City. Bureau of Municipal Research. Municipal Research. New York, 1906–.

Beginning with no. 57 (January, 1915) issued as a monthly publication.

Philadelphia. Bureau of Municipal Research. Publications. Philadelphia, 1911–.

St. Louis. Municipal Reference Library. Publications. St. Louis, 1912–.

CHAPTER II

POLITICAL MACHINERY AND DIRECT LEGISLATION

SECTION VI. MUNICIPAL SUFFRAGE

1. Lists of References

Brookings, W. DuB., and Ringwalt, R. C., editors. Briefs for debate on current political, economic, and social topics. New York, 1911. 213 pp.

A property qualification for municipal suffrage, pp. 11–13.

Hart, A. B. Manual of American history, diplomacy, and government. Cambridge, 1908. 554 pp.

Limiting the suffrage, pp. 336–338.

Pearson, P. M., and Nichols, E. R., editors. Intercollegiate debates. 4 vols. New York, 1909–1914.

Educational qualifications for suffrage, i, pp. 243–258. References, p. 258.

Ringwalt, R. C. Briefs on public questions, with selected lists of references. New York, 1911. 229 pp.

An educational qualification for suffrage, pp. 25–30.

2. History of the Suffrage in the United States

Blackmar, F. W. The history of suffrage in legislation in the United States. Chautauquan, xxii, pp. 28–34 (October, 1895).

The best brief outline.

McKinley, A. E. Suffrage franchise in the thirteen English colonies. Boston, 1905. 518 pp.

McMillan, D. C. The elective franchise in the United States. 3d edition. New York, 1898. 203 pp.

A theoretical discussion, not of great value.

3. General Discussions

Croly, Herbert. The promise of American life. New York, 1910. 468 pp.

Advantages and disadvantages of a limited suffrage, pp. 198–199.

DABNEY, C. W. The illiteracy of the voting population in the United States. United States Commissioner of Education, Annual report, 1902, pp. 789–818.
Contains good statistical data based on the figures of the 13th census.

GETTELL, R. G., compiler. Readings in political science. Boston, 1911. 528 pp.
The electorate, pp. 305–312.

GOODNOW, F. J. City government in the United States. New York, 1906. 315 pp.
Universal suffrage for city elections, pp. 109–113.

——. Municipal problems. New York, 1907. 321 pp.
Ch. vii (pp. 145–192), Universal suffrage.

HATTON, A. R. Digest of city charters. Chicago, 1906. 351 pp.
Municipal suffrage, pp. 49–54.

LECKY, W. E. H. Democracy and liberty. 2 vols. London, 1899.
Suffrage, i, pp. 2–38, 70–100. A study of fundamental principles.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Suffrage, iii, pp. 443–458. References, p. 458.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. v (pp. 102–124), The municipal electorate. References, p. 124.

——. The government of European cities. New York, 1909. 409 pp.
See index under Suffrage.

TOCQUEVILLE, ALEXIS DE. Democracy in America. With an introduction by D. C. Gilman. Edited and annotated by Francis Bowen. 2 vols. New York, 1898.
Suffrage, i, ch. xiii.

WILCOX, D. F. The American city. New York, 1904. 423 pp.
Ch. ix (pp. 244–275), Popular responsibility.

4. EDUCATIONAL QUALIFICATIONS FOR VOTING

CAFFEY, F. G. Suffrage limitations at the South. Political Science Quarterly, xx, pp. 53–67 (March, 1905).

HAYNES, G. H. Educational qualifications for the suffrage in the United States. *Ibid.*, xiii, pp. 495–531 (September, 1898).

PHILLIPS, J. B. Educational qualifications of voters. University of Colorado Studies, iii, no. 2, pp. 55–62 (March, 1906).

STEPHENSON, G. T. Race distinctions in American law. New York, 1910. 388 pp.
Ch. xi (pp. 281–347), Suffrage.

On the general subject of Woman Suffrage references may be found in the following:

BROOKINGS, W. DUB., and RINGWALT, R. C., editors. Briefs for debate on current political, economic, and social topics. New York, 1911. 213 pp.
Woman suffrage, pp. 8–10.

FRANKLIN, MARGARET L., compiler. The case for woman suffrage; a bibliography. With an introduction by M. Carey Thomas. New York, 1913. 315 pp.

HOWARD, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)
Equal suffrage and related aspects of the woman movement, pp. 149–164.

PHELPS, EDITH M., compiler. Selected articles on woman suffrage. Minneapolis, 1910. 290 pp. (Debaters' Handbook series.)

RINGWALT, R. C. Briefs on public questions, with selected lists of references. New York, 1911. 229 pp.
Woman suffrage, pp. 8–16.

SHURTER, E. DUB., editor. Woman suffrage; bibliography and selected arguments. Austin, 1912. 82 pp. (Bulletin of the University of Texas, no. 233; extension series no. 22.)

University of Wisconsin. Extension Division. Department of Debating and Public Discussion. Woman suffrage. Madison, 1908. 5 pp. (Bulletin of the University of Wisconsin, serial no. 214; general series no. 22.)

SECTION VII. MUNICIPAL PARTIES AND POLITICS

1. LISTS OF REFERENCES

BROOKINGS, W. DUB., and RINGWALT, R. D., editors. Briefs for debate on current political, economic, and social topics. New York, 1911. 213 pp.
Bibliography of parties in municipal elections, pp. 24–26.

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Parties and party politics in cities, pp. 216–218.

HOWARD, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)
Party government, pp. 29–30, 123–140.

Indiana. Bureau of Legislative Information. Reading list on elimination of party politics from local elections. Indianapolis, 1913. 3 pp. (typewritten).

JONES, C. L., editor. Readings on parties and elections in the United States. New York, 1912. 354 pp.
Table of contents, pp. ix–xv.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
References, pp. 178–179.

OSTROGORSKI, M. Democracy and the party system in the United States. New York, 1910. 469 pp.
Bibliographical note, pp. 457–461.

RAY, P. O. An introduction to political parties and practical politics. New York, 1913. 493 pp.
Bibliography at the end of each chapter.

United States. Library of Congress. Division of Bibliography. List of works relating to political parties in the United States. Compiled under the direction of A. P. C. GRIFFIN. Washington, 1907. 29 pp.

2. PARTIES AND PARTY ORGANIZATION IN GENERAL

BEARD, C. A. American government and politics. Revised edition. New York, 1914. 788 pp.
See index under Parties.

BRYCE, JAMES. The American commonwealth. Revised edition. 2 vols. New York, 1911.
The party system, ii, pp. 1–238.

CHILDS, R. S. Short ballot principles. New York, 1911. 171 pp.
Ch. ix (pp. 130–143), Parties and why they cannot be responsible; ch. x (pp. 144–153), Leadership parties.

EMERY, H. C. Politician, party, and people; addresses delivered in the Page Lecture series, 1912, before the senior class of Sheffield Scientific School, Yale University. New Haven, 1913. 183 pp.

FORD, H. J. The rise and growth of American politics. New York, 1898. 409 pp.
An able analysis written in interesting style.

GETTELL, R. G., compiler. Readings in political science. New York, 1911. 528 pp.
Ch. xii (pp. 401–423), Political parties: functions, history, organization and reform.

GOODNOW, F. J. City government in the United States. New York, 1906. 315 pp.
Political parties and city government, pp. 79–88.

——. Municipal government. New York, 1909. 401 pp.
Ch. ix (pp. 114–136), The participation of the people in city government.

——. Politics and administration. New York, 1900. 270 pp.

GORDY, J. P. History of political parties in the United States. 2d edition. 4 vols. New York, 1900–1902.
Contains a great deal of historical data, but not well arranged.

HART, A. B. Actual government. New York, 1903. 599 pp.
The party and the machine, pp. 86–112.

HOWE, F. C. The city, the hope of democracy. New York, 1905. 319 pp.

JONES, C. L., editor. Readings on parties and elections in the United States. New York, 1912. 354 pp.

LOWELL, A. L. Governments and parties in continental Europe. 2 vols. Boston, 1896.

LUETSCHER, G. D. Early political machinery in the United States. Philadelphia, 1903. 160 pp.

MCLAUGHLIN, A. C. The significance of political parties. Atlantic Monthly, ci, pp. 145–156 (February, 1908).

MACY, JESSE. Party organization and machinery. New York, 1912. 316 pp.
The best short discussion of actual organization.

OSTROGORSKI, M. Democracy and the organization of political parties. 2 vols. New York, 1908.
A thorough-going and authoritative study.

——. Democracy and the party system in the United States. New York, 1910. 469 pp.
A useful revision of the author's larger work.

RAY, P. O. An introduction to political parties and practical politics. New York, 1913. 493 pp.
A very practical treatise dealing with the newest conditions.

SLOANE, W. M. Party government in the United States of America. New York, 1914. 450 pp.

SMITH, J. A. The spirit of American government. New York, 1911. 402 pp.
Ch. viii (pp. 203–229), The party system.

STEFFENS, LINCOLN. The struggle for self-government. New York, 1906. 294 pp.

WOODBURN, J. A. American politics, political parties and party problems. 2d edition. New York, 1914. 487 pp.
A well-known and widely-used volume.

3. MUNICIPAL PARTIES AND POLITICS

BULLOCK, W. B. Milwaukee's non-partisan government. Harper's Weekly, lvii, p. 25 (March 8, 1913).

CREELMAN, JAMES. Municipal non-partisanship in operation; what has been saved and gained in New York in the first six months of Mayor Gaynor's administration. Century Magazine, lxxx, pp. 667–674 (September, 1910).

DEMING, H. E. Some dangers of the control by permanent political organizations of the methods of nomination to elective municipal office. Proceedings, National Municipal League, 1905, pp. 347–365.

FOX, D. R. Voters' leagues and their critical work. National Municipal Review, ii, pp. 664–670 (October, 1913).

GOODNOW, F. J. Municipal problems. New York, 1904. 321 pp.
Ch. viii (pp. 193–214), Municipal government and the national political problems.

HAIGHT, A. S. Independent parties. Municipal Affairs, iv, pp. 338–342 (June, 1900).

HEMPSTEAD, E. H. The use of political designations upon official ballots in connection with the names of candidates. Proceedings, National Municipal League, 1904, pp. 361–365.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. vii (pp. 153–179), Municipal parties and politics. References, pp. 178–179.

PAINE, R. T. The elimination of national party designations from municipal ballots. Proceedings, National Municipal League, 1909, pp. 291–308.

WHITLOCK, BRAND. The evil influence of national parties in municipal elections. *Ibid.*, 1907, pp. 193–208.

WRIGHT, H. C. Bossism in Cincinnati. Cincinnati, 1905. 182 pp.
Contents: Cox as a ward executive; Cox's first recognition; Cox becomes boss; The machine; Operation of the machine; Methods used to retain power; The machine and state legislation; The citizens' municipal party; Difficulties confronting any municipal reform movement; Typical municipal reform movement.

City elections on city issues. American City, ix, pp. 295–297 (October, 1913).

4. TAMMANY HALL

BEARD, C. A. American government and politics. Revised edition. New York, 1914. 788 pp.
Tammany Hall, pp. 135–139, 661–663.

BLAKE, Mrs. EUPHEMIA E. The history of the Tammany society from its organization. New York, 1901. 188 pp.

BRYCE, JAMES. The American commonwealth. Revised edition. 2 vols. New York, 1911.
The Tammany ring in New York City, ii, pp. 379–405.

EATON, D. B. The government of municipalities. New York, 1899. 498 pp.
Municipal government by party as illustrated by the Tammany democracy, pp. 89–157.

HODDER, ALFRED. A fight for the city. New York, 1903. 246 pp.

MCGUIRE, J. K. The Democratic party of the state of New York; a history of the origin, growth and achievements of the Democratic party of the state of New York, including a history of Tammany Hall in its relation to state politics. An historical chapter on Kings County democracy by M. W. Littleton. Biographical sketches of the leading Democratic politicians in the state of New York. 3 vols. New York, 1905.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Tammany, iii, pp. 467–469. References, p. 469.

Myers, Gustavus. The history of Tammany Hall. New York, 1901. 357 pp.
For the earlier history of Tammany this is the best source.

——. Secrets of Tammany's success. Forum, xxxi, pp. 488–500 (June, 1901).

Parkhurst, C. G. Our fight with Tammany. New York, 1895. 296 pp.

Riordon, W. L. Plunkitt of Tammany Hall. New York, 1905. 183 pp.

Smith, Nelson. Tammany Hall. A sketch of its history. New York, 1893. 64 pp.

Verplanck, W. E. In defense of Tammany. Outlook, cv, pp. 281–282 (October 4, 1913).

Wheeler, E. P. History of Tammany Hall. *Ibid.*, cv, pp. 73–81 (September 13, 1913).

Williams, Talcott. Tammany Hall. New York, 1898. 79 pp.
Notes and references, pp. 78–79.

Democratic reorganization in New York. Nation, xcvii, pp. 451–452 (November, 1913).

5. Rings, Bosses and Graft

Atkinson, C. R. Review of graft prosecutions and exposures for the past year. National Municipal Review, ii, pp. 439–445 (July, 1913).
See also Holden, Alice M., below.

Bonaparte, C. J. The elective boss. Outlook, xciii, pp. 773–776 (December 4, 1909).

Brooks, R. C. Corruption in American politics and life. New York, 1910. 309 pp.
Ch. v (pp. 161–209), Corruption in business and politics; ch. vi (pp. 213–274), Campaign contributions and the theory of party support.

Bryce, James. The American commonwealth. Revised edition. 2 vols. New York, 1911.
Rings and bosses, ii, pp. 111–135; The Tweed ring, ii, pp. 335–353; The Philadelphia gas ring, ii, pp. 354–371.

CHAMPERNOWNE, HENRY. [MEANS, D. McG.] The boss; an essay upon the art of governing American cities. New York, 1894. 243 pp.
A vigorous little volume, dealing with conditions as they existed a generation ago.

CHOATE, J. H. American addresses. New York, 1911. 360 pp.
The Tweed ring, pp. 61–73.

CLEVELAND, F. A. The growth of democracy in the United States. Chicago, 1898. 532 pp.
Ch. xi (pp. 242–284), The causes of the growth of democracy, or conditions which have made changes in our institutions necessary.

——. Organized democracy. New York, 1913. 479 pp.
Ch. xxxii (pp. 414–425), Limitations on the political activity of executive officials.

FLOWER, B. O. Twenty-five years of bribery and corrupt practices. Arena, xxxi, pp. 12–49 (January, 1904).

——. Rise, dominance, and downfall of the Tweed ring. *Ibid.*, xxxiii, pp. 270–288 (March, 1905).

FOSDICK, R. B. Police scandal and the good old days; the Tweed ring. Outlook, cii, pp. 346–349 (October 19, 1912).

GODKIN, E. L. Problems of modern democracy. New York, 1896. 332 pp.
Criminal politics, pp. 123–155.

GOODNOW, F. J. Politics and administration: a study in government. New York, 1900. 270 pp.

HAMILTON, J. J. The dethronement of the city boss. New York, 1910. 285 pp.
Issued in 1911 under title, Government by commission. Deals chiefly with the circumstances leading to the adoption of commission government in Des Moines.

HOLDEN, ALICE M. The graft investigations of a year. National Municipal Review, iii, pp. 525–537 (July, 1914).
See also Atkinson, C. R., above.

HOWE, F. C. The city, the hope of democracy. New York, 1906. 319 pp.
Ch. vii (pp. 92–112), The boss, the party, and the system.

HOWLAND, H. J. The grafter at work in American cities. Proceedings, National Municipal League, 1910, pp. 190–202.

IRWIN, W. H. Cox — the last of the bosses. Collier's Weekly, xlviii, pp. 11–12, 12–13 (January 6 and 13, 1912).

LEWIS, A. H. The boss and how he came to rule New York. New York, 1903. 409 pp.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

The boss, and boss system of party organization, i, pp. 145–147. References, p. 147.

MENCKE, CARL. Der amerikanische "Boss" und seine politische Maschine. Preussisches Jahrbuch, cxxvii, pp. 260–280 (February, 1907).

San Francisco. Board of Supervisors. Report on the causes of municipal corruption in San Francisco as disclosed by the investigations of the Oliver grand jury and the prosecution of certain persons for bribery and other offenses against the state. January 5, 1910. Report by the California Weekly. San Francisco, 1910. 54 pp.

SPELLING, T. C. Bossism and monopoly. New York, 1906. 358 pp.

STEFFENS, LINCOLN. The shame of the cities. New York, 1904. 306 pp.

Contents: Introduction, and some conclusions; Tweed days in St. Louis; The shame of Minneapolis; The shamelessness of St. Louis; Pittsburg, a city ashamed; Philadelphia, corrupt and contented; Chicago, half free and fighting on; New York, good government to the test.

TURNER, G. K. The rise and rule of George B. Cox, and his overthrow. McClure's Magazine, xxxviii, pp. 575–591 (March, 1912).

See also Municipal Civil Service Reform.

SECTION VIII. MUNICIPAL NOMINATIONS

1. LISTS OF REFERENCES

DALLINGER, F. W. Nominations for elective office in the United States. New York, 1903. 290 pp.

Bibliography, appendix A, pp. 221–224.

FANNING, CLARA E., compiler. Selected articles on direct primaries. 3d edition. Minneapolis, 1911. 145 pp. (Debaters' Handbook series.)

Bibliography, pp. xi–xx.

HOWARD, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)
Ch. vii (pp. 36–42), The direct primary.

MERRIAM, C. E. Primary elections; a study of the history and tendencies of primary election legislation. 2d edition. Chicago, 1909. 308 pp.
Bibliography, pp. 289–295.

New York. State Library. List of references on direct primaries. Legislative Bulletin no. 306, pp. 22–26 (1906).

SCHAFFNER, MARGARET A. Primary elections. Madison, 1908. 37 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 13 (August, 1908).)
References, pp. 3–4.

United States. Library of Congress. Division of Bibliography. List of references on primary elections, particularly direct primaries. Washigton, 1905. 25 pp.

2. GENERAL AND HISTORICAL DISCUSSIONS OF NOMINATING METHODS

DALLINGER, F. W. Nominations for elective office in the United States. New York, 1903. 290 pp.
Bibliography, pp. 221–224.

DEMING, H. E. Some dangers of the control by permanent political organizations of the methods of nomination to elective municipal office. Proceedings, National Municipal League, 1905, pp. 347–365.

GOODNOW, F. J. City government in the United States. New York, 1906. 315 pp.
Methods of nomination, pp. 121–128.

GUTHRIE, G. W. The right of every elector to a free and equal share in the selection of candidates for municipal elective office. Proceedings, National Municipal League, 1904, pp. 337–350.

LAWTON, G. W. The American caucus system, its origin, purpose, and utility. New York, 1885. 107 pp.

LUETSCHER, G. D. Early political machinery in the United States. Philadelphia, 1903. 160 pp.

MEYER, E. C. Nominating systems. Madison, 1902. 501 pp.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. vi (pp. 125–152), Municipal nominations and elections. References, pp. 151–152.

REINSCH, P. S., editor. Readings on American state government. Boston, 1911. 473 pp.
Elections and nominations, pp. 364–434.

WOODRUFF, C. R. The unsatisfactory character of present methods of nominating to municipal elective office. Proceedings, National Municipal League, 1904, pp. 366–375.

3. THE DIRECT PRIMARY: GENERAL DISCUSSIONS

BEARD, C. A. American government and politics. Revised edition. New York, 1914. 788 pp.
Direct primaries, pp. 685–703.

BLISS, W. D. P. New encyclopedia of social reform. New York, 1908. 1321 pp.
Direct primaries, pp. 439, 951–952.

BRYCE, JAMES. The American commonwealth. Revised edition. 2 vols. New York, 1911.
Direct primaries, i, pp. 670–672; ii, pp. 89–92.

FANNING, CLARA E., compiler. Selected articles on direct primaries. 3d edition. Minneapolis, 1911. 145 pp. (Debaters' Handbook series.)

HOAG, C. G. Proportional representation, preferential voting, and direct primaries. National Municipal Review, iii, pp. 49–56 (January, 1914).

JONES, C. L., editor. Readings on parties and elections in the United States. New York, 1912. 354 pp.
Ch. iii (pp. 53–79), The convention and the direct primary.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Direct primary, iii, pp. 51–55. References, p. 55.

MERRIAM, C. E. Primary elections; a study of the history and and tendencies of primary election legislation. 2d edition. Chicago, 1909. 308 pp.
The best general study of the subject.

Vermont. Legislative Reference Bureau. Direct primaries. Montpelier, 1914. 8 pp.

WOODBURN, J. A. American politics, political parties and party problems. 2d edition. New York, 1914. 487 pp. Ch. xxi (pp. 426–446), Primary election reform.

4. THE DIRECT PRIMARY: SPECIAL FEATURES

BARNETT, J. D. Forestalling the direct primary in Oregon. Political Science Quarterly, xxvii, pp. 648–668 (December, 1912).

BULL, H. A. The New York primary law. Publications, Michigan Political Science Association, vi, pp. 93–105 (March, 1905).

CAMPBELL, H. M. Representative government versus the initiative and primary nominations. North American Review, cxc, pp. 222–230 (August, 1909).

CHENEY, C. B., and SIMPSON, D. F. Political organization and primary legislation in Minnesota. Proceedings, National Municipal League, 1905, pp. 327–346.

Connecticut. Commission on Laws relating to Direct Primaries. . . . Report of the commission on laws relating to direct primaries, made to the general assembly at its January session, 1909. Hartford, 1909. 38 pp.

FORD, H. J. Direct primary. North American Review, cxc, pp. 1–14 (July, 1909).

GREELEY, L. M. Present status of direct nomination. Proceedings, National Municipal League, 1910, pp. 328–339.

HARTWELL, E. M. Primary elections in Massachusetts, 1640–1692. Boston, 1910. 15 pp. (Reprinted from Proceedings, American Political Science Association, vii, pp. 210–224 (1910).)

HOLCOMBE, A. N. Direct primaries and the second ballot. American Political Science Review, v, pp. 535–552 (November, 1911).

HORACK, F. E. Primary elections in Iowa. Iowa City, 1912. 48 pp. (Iowa Applied History series, i, no. 4.)

LUCE, ROBERT. Massachusetts primary law. Proceedings, National Municipal League, 1907, pp. 36–43.

MACY, JESSE. Influence of the primary election upon party organization. Proceedings, American Political Science Association, iv, pp. 175–178 (1907).

MECHEM, F. R. Constitutional limitations on primary election legislation. Publications, Michigan Political Science Association, vi, pp. 125–149 (March, 1905).

MERRIAM, C. E. Chicago primary system. *Ibid.*, vi, pp. 118–124 (March, 1905).

——. Some disputed points in primary election legislation. Proceedings, American Political Science Association, iv, pp. 179–188 (1907).

Included also in his Primary elections, pp. 143–158, see above, p. 41.

Michigan Political Science Association. Papers and addresses on primary reform read at the annual meeting of the Michigan Political Science Association held at Ann Arbor, February 9 and 10, 1905. Ann Arbor, 1905. 149 pp. (Publications, vi (March, 1905).)

Appendix (pp. 144–149), references to the primary election laws of the several states.

National Municipal League. Discussion on nominations. Proceedings, 1906, pp. 445–453.

——. Nomination reform discussion. *Ibid.*, 1910, pp. 533–544.

NEARING, SCOTT, and TROWBRIDGE, L. W. Political organization and primary legislation in Pennsylvania, 1881–1904. *Ibid.*, 1905, pp. 293–308.

SHAW, W. B. Direct primaries on trial. Outlook, xc, pp. 383–389 (October 24, 1908).

SMITH, H. L. New primary law in Wisconsin. Publications, Michigan Political Science Association, vi, pp. 73–92 (March, 1905).

VERPLANCK, J. D. Problem of primaries. Annals of the American Academy of Political and Social Science, xxviii, pp. 442–452 (November, 1906).

For recent developments see American Political Science Review, ii, pp. 578–585 (November, 1908); iii, pp. 563–565 (November, 1909); iv, pp. 569–571 (November, 1910); and vi, pp. 60–74 (February, 1912).

See also Municipal Parties and Politics.

SECTION IX. ELECTIONS AND BALLOT REFORM

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Elections, pp. 63–66.

Howard, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)
Protection of the ballot and the safeguard of elections, pp. 55–58; election abuses and corrupt practice laws, pp. 66–67; ballot reform and corrupt practices, pp. 140–149.

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–77 (April, 1908).
Elections, pp. 21–22, 34–35.

Lowrie, S. G. Corrupt practices at elections. Madison, 1911. 86 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin, no. 23 (February, 1911).)

Meyer, H. H. B. Select list of references on the short ballot. Special Libraries, ii, pp. 58–61 (June, 1911).

Munro, W. B. The government of American cities. New York, 1912. 401 pp.
References, pp. 124, 151–152.

United States. Library of Congress. Division of Bibliography. Select list of references on corrupt practices in elections. Washington, 1908. 12 pp.

2. Election Machinery: Polling Places, etc.

Chicago. Bureau of Public Efficiency. Growing cost of elections in Chicago and Cook County. Chicago, 1912. 16 pp.

Deming, H. E. The government of American cities. New York, 1911. 323 pp.
Ch. xiii (pp. 178–187), The importance of electoral methods used in filling city elective offices.

Goodnow, F. J. City government in the United States. New York, 1906. 315 pp.
Separate city elections, pp. 105–108.

JAMISON, F. H. A plan for separate elections. Proceedings, National Municipal League, 1906, pp. 388–390.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.

Ch. vi (pp. 125–152), Municipal nominations and elections.

MYGATT, GERALD. Counting the city's vote; how New York's election returns come in. Outlook, cv, pp. 535–538 (November 8, 1913).

PINK, L. H. Polling places in the schools. National Municipal Review, ii, pp. 451–455 (July, 1913).

WHITE, T. R. Separation of elections. Proceedings, National Municipal League, 1907, pp. 209–214.

3. BALLOTS AND BALLOT REFORM

ALLEN, P. L. Ballot laws and their working. Political Science Quarterly, xxi, pp. 37–58 (March, 1906).

A good systematic study.

BEARD, C. A. The ballot's burden. *Ibid.*, xxiv, pp. 589–614 (December, 1909).

A convincing argument for ballot reform.

——. American government and politics. Revised edition. New York, 1914. 788 pp.

Popular control through the ballot, pp. 474–487.

CAMPBELL, DOUGLAS. The origin of American institutions as illustrated in the history of the written ballot. Papers, American Historical Association, v, pp. 165–186 (January and April, 1891).

Chicago. City Club. The short ballot in Illinois; report of the short ballot committee of the City Club of Chicago. Chicago, 1912. 32 pp.

CHILDS, R. S. The story of the short ballot cities; an explanation of the success of the commission form of municipal government. Revised edition. New York, 1914. 20 pp.

——. Short ballot principles. New York, 1911. 171 pp.

One of the most trenchant and interesting books on political reform.

DANA, R. H. The Australian ballot system of Massachusetts; some fallacious objections answered. New York, 1911. 22 pp.

GILBERTSON, H. S. The short ballot in American cities. Review of Reviews, xlv, pp. 82–85 (January, 1912).

GLASSON, W. H. Australian voting system; sketch of its history and principles; why North Carolina, South Carolina, and Georgia should adopt it. Durham (N. C.), 1909. 13 pp.

HOLTON, J. B. The problem of municipal reform; the solution: a qualified candidate, a simplified ballot, a business election. Indianapolis, 1914. 16 pp.
This booklet is accompanied by a circular letter, briefing and elucidating its statements.

JONES, C. L., editor. Readings on parties and elections. New York, 1912. 354 pp.
Ch. viii (pp. 212–250), The ballot.

LUDINGTON, A. C. American ballot laws, 1888–1910. Albany, 1911. 220 pp.
A careful summary of ballot-reform legislation.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Short ballot, i, pp. 104–105. References, p. 105.

National Short Ballot Organization. The Short Ballot Bulletin. Vol. 1, no. 7 (February, 1912).
See also vol. ii, no. 10 (August, 1914).

St. Louis. Civic League. The short ballot, the key to popular government. What it is, what it will do, how to get it in Missouri. St. Louis, 1914. 8 pp.

4. LAWS RELATING TO ELECTIONS

BEATTY, BESSIE. A political primer for the new voter. San Francisco, 1912. 76 pp.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
Municipal elections, i, ch. xi (pp. 633–778).

GAY, R. L., compiler. Laws of the commonwealth of Massachusetts relating to qualifications and registration of voters, political committees, caucuses, conventions and the nomination of candidates. Boston, 1909. 114, xliii pp.

ROGERS, F. J. N. Rogers on elections. 3 vols. London, 1906–1909.

Contents: vol. i, Registration, parliamentary, municipal, and local government, including the practice in registration appeals, with appendices of statutes, orders in council, and forms. 7th edition, by Maurice Powell, 1909. Vol. ii, Parliamentary elections and petitions, with appendices of statutes, rules, and forms. 18th edition, by C. W. Williams, 1906. Vol. iii, Municipal and other elections and petitions, with appendices of statutes, rules, and forms. 18th edition, by C. W. Williams, assisted by G. H. B. Kendrick, 1906.

5. CORRUPT PRACTICES

BROOKS, R. C. Corruption in American politics and life. New York, 1910. 309 pp.

Contents: I, Apologies for political corruption; II, The nature of political corruption; III, Corruption: a persistent problem of social and political life; IV, Corruption in the professions, journalism, and the higher education; V, Corruption in business and politics; VI, Campaign contributions and the theory of party support; VII, Corruption and notoriety: the measure of our offending.

DEMING, H. E. Corrupt practices and electoral methods. Proceedings, National Municipal League, 1906, pp. 308–328.

FORD, H. J. Municipal corruption. Political Science Quarterly, xix, pp. 673–686 (December, 1904).

FOX, G. L. Corrupt practices and election laws in the United States since 1890. Proceedings, American Political Science Association, ii, pp. 171–186 (1906).

LOWRIE, S. G. Corrupt practices at elections. Madison, 1911. 86 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 23.)

——. Corrupt practices at elections; laws of 1911. American Political Science Review, v, pp. 236–239 (May, 1911).

OSBORN, W. C. Corrupt practices in municipalities. Proceedings, National Municipal League, 1910, pp. 490–497.

ROBERTS, J. B. The real cause of municipal corruption. *Ibid.*, 1905, pp. 148–153.

SCHAFFNER, MARGARET A. Corrupt practices at elections; contributions and expenditures. Madison, 1906. 35 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 3.)

SHANN, GEORGE. Registration, nominations, ballots, expenses, and the corrupt practices act in British elections. Address before the City Club of Chicago, March 15, 1913. City Club Bulletin, vi, pp. 182–190 (June 9, 1913).

SPEED, J. G. How votes are bought in New York City. Harper's Weekly, xlix, pp. 386, 388 (March 18, 1905).

STEFFENS, LINCOLN. The shame of the cities. New York, 1904. 306 pp.

VIESSELMAN, P. W. Corrupt practices legislation. Papers and Proceedings, Minnesota Academy of Social Science, vi, pp. 171–246 (1912).
Bibliography, pp. 241–246.

6. PREFERENTIAL VOTING

HOAG, C. G. Effective voting: an article on preferential voting and proportional representation. Washington, 1914. 33 pp. (United States. 63d Congress, 2d session. Senate doc. no. 359.)
See also National Municipal Review, iii, pp. 49–56 (January, 1914).

HULL, R. M. Preferential voting and how it works. National Municipal Review, i, pp. 386–400 (July, 1912).

JOHNSON, L. J. Preferential voting. *Ibid.*, iii, pp. 83–92 (January, 1914).
A statement of its progress, with comments and warnings.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Preferential voting, iii, pp. 633–634. References, p. 634.

RUTHERFORD, W. T. The preferential system of voting. Pacific Municipalities, xvi, pp. 547–550 (November, 1912).

Preferential voting system used in Spokane. American City, v, pp. 259–260 (November, 1911).

SECTION X. THE INITIATIVE AND REFERENDUM

1. LISTS OF REFERENCES

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Direct legislation, pp. 60–61.

HOWARD, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)
Direct legislation, pp. 23–25, 123–140.

LOBINGIER, C. S. The people's law. New York, 1909. 429 pp.
Bibliography, pp. 395–409.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
List of references on direct legislation, pp. 356–357.

——, editor. The initiative, referendum and recall. New York, 1912. 365 pp. (National Municipal League series.)
Sources and literature, pp. 342–348.

Ohio. State Library. Initiative and referendum. Compiled by C. B. GALBREATH. Columbus, 1911. 79 pp.
Bibliography, pp. 64–79.

PEARSON, P. M., and NICHOLS, E. R., editors. Intercollegiate debates. 4 vols. New York, 1909–1914.
List of references on initiative and referendum, pp. 67–90.

PHELPS, EDITH M., compiler. Selected articles on the initiative and referendum. 2d edition. Minneapolis, 1911. 164 pp. (Debaters' Handbook series.)
Bibliography, pp. xi–xxxi.

RINGWALT, R. C. Briefs on public questions. New York, 1911. 229 pp.
Direct legislation, pp. 50–58.

ROBBINS, E. C. The high school debate book. Chicago, 1912. 229 pp.
Bibliography on initiative and referendum, pp. 121–133.

SCHAFFNER, MARGARET A. The initiative and referendum. Madison, 1907. 32 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 11 (September, 1907).)
References, pp. 3–4.

TALBOT, C. H. The initiative and referendum, state legislation. Madison, 1913. 92 pp. (*Ibid.*, no. 25 (January, 1913).)
References, pp. 5–11.

United States. Library of Congress. Division of Bibliography. Select list of references on the initiative, referendum and recall. Compiled by H. H. B. MEYER. Washington, 1912. 102 pp.

University of Kansas. Extension Division. Debating and public discussion. Announcement of the Kansas High School Debating League for 1910–1911. Lawrence, 1910. 45 pp.

List of references on the initiative and referendum, pp. 32–35.

2. HISTORICAL AND GENERAL DISCUSSIONS

BACON, E. M., and WYMAN, MORRILL. Direct elections and lawmaking by popular vote; the initiative, the referendum, the recall, commission government for cities, preferential voting. Boston, 1912. 167 pp.

BRYCE, JAMES. The hindrances to good citizenship. New Haven, 1909. 138 pp.

The initiative and referendum, pp. 112–115.

——. The American commonwealth. Revised edition. 2 vols. New York, 1911.

Vol. i, ch. xxxix (pp. 464–480), Direct legislation by the people. Gives historical and critical data.

CLEVELAND, F. A. Organized democracy; an introduction to the study of American politics. New York, 1913. 479 pp.

HONEY, S. R. The referendum among the English; a manual of "submissions to the people" in the American states; with an introduction by J. St. L. Strachey. New York, 1912. 114 pp.

JUDSON, F. N. The future of representative government. American Political Science Review, ii, pp. 185–203 (February, 1908).

LOBINGIER, C. S. The people's law. New York, 1909. 429 pp.

LOWRIE, S. G. New forms of the initiative and referendum. American Political Science Review, v, pp. 566–572 (November, 1911).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Direct legislation, ii, pp. 331–336. References, p. 336. The referendum, iii, pp. 170–171.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.

Ch. xiii (pp. 321–357), Direct legislation and the recall.

OBERHOLTZER, E. P. The referendum in America, together with some chapters on the initiative and the recall. New edition. New York, 1911. 533 pp.

PARSONS, FRANK. The city for the people; or, The municipalization of the city government and of local franchises. Philadelphia, 1901. 704 pp.

An historical and critical discussion of direct legislation, ch. ii (pp. 255–386).

PARSONS, F. E. Direct legislation; article relative to popular government through initiative, referendum and recall. Revised and edited by M. T. U'Ren. Washington, 1914. 65 pp. (United States. 63d Congress, 2d session. Senate doc. no. 360.)

TAYLOR, C. F. Municipal initiative, referendum and recall in practice. National Municipal Review, iii, pp. 693–701 (October, 1914.)

3. COLLECTED ARGUMENTS ON BOTH SIDES OF THE QUESTION

American Academy of Political and Social Science. The initiative, referendum and recall. Annals, xliii, whole no. 132 (September, 1912). Philadelphia, 1912. 332 pp.

Contains articles by Jonathan Bourne, Jr., G. W. Guthrie, C. M. Hollingsworth, J. A. Lapp, H. J. Ford, C. B. Galbreath, W. E. Rappard, J. A. Fairlie, J. W. Black, S. G. Lowrie, Robert Crosser, W. F. Dodd, H. S. Gilbertson, F. W. Catlett, R. G. Brown, J. A. Metcalf, A. H. Snow, and W. D. Lewis.

HOWARD, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)

Ch. iv (pp. 16–25), Direct legislation.

MUNRO, W. B., editor. The initiative, referendum and recall. New York, 1912. 364 pp. (National Municipal League series.)

Contents: ch. i, Introductory, by the editor; ch. ii, Nationalism and popular rule, by Theodore Roosevelt; ch. iii, The issues of reform, by

Woodrow Wilson; ch. iv, The development of direct legislation in America, by Robert Treat Paine; ch. v, The referendum in the United States, by A. Lawrence Lowell; ch. vi, Direct legislation as an ally of representative government, by L. J. Johnson; ch. vii, Representative as against direct legislation, by S. W. McCall; ch. viii, A defence of direct legislation, by Jonathan Bourne, Jr.; ch. ix, The practical workings of the initiative and referendum in Oregon, by J. N. Teal; ch. x, A year of the people's rule in Oregon, by G. H. Haynes; ch. xi, The unfavorable results of direct legislation in Oregon, by F. V. Holman; ch. xii, The use of the recall in the United States, by H. S. Swan; ch. xiii, The recall as a measure of popular control, by T. A. Davis; ch. xiv, The recall in Los Angeles, by C. D. Willard; ch. xv, The recall in Seattle, by F. W. Catlett; ch. xvi, Sources and literature; appendix, A list of the measures submitted to the people of Oregon in the last four elections.

National Economic League. The initiative and referendum. Arguments pro and con by a special committee of the National Economic League. Boston, 1912. 71 pp.

PHELPS, EDITH M., editor. Selected articles on the initiative and referendum. Minneapolis, 1911. 164 pp. (Debaters' Handbook series.)

Contains a bibliography, a brief, and articles on all phases of the subject.

POMERENE, ATLEE, and KINKEAD, E. B. The initiative and referendum. Proceedings, Ohio State Bar Association, xxviii, pp. 127–185 (1907).

RINGWALT, R. C. Briefs on public questions. New York, 1911. 229 pp.

Direct legislation, pp. 50–58.

4. LEGAL AND STATISTICAL DATA

American year book; a record of events and progress. New York. Published annually since 1910.

BEARD, C. A., and SHULTZ, B. E. Documents on the state-wide initiative, referendum and recall. New York, 1912. 394 pp.

This volume includes all of the constitutional amendments providing for a state-wide system of initiative and referendum in force or pending at the election of 1912, together with the enabling acts passed in the different states. The introduction sets forth the relation of direct legislation to the representative system of government, and the political conditions which have caused the adoption of the initiative and referendum. While no attempt has been made to go into the subject of the initiative, referendum and recall as applied to local and municipal government, some illustrative papers showing the system in ordinary municipalities and commission-governed cities have been included.

BRADFORD, E. S. Commission government in American cities. New York, 1911. 359 pp.
Ch. xix (pp. 220–246), The referendum, initiative and recall.

CLEVELAND, F. A. Growth of democracy in the United States. Chicago, 1898. 532 pp.
Ch. viii–xi (pp. 177–241), The evolution and present use of the referendum.

EATON, A. H. The Oregon system; the story of direct legislation in Oregon; a presentation of the methods and results of the initiative and referendum and recall in Oregon; with studies of the measures accepted or rejected; and special chapters on the direct primary, popular election of senators, advantages, defects, and dangers of the system. Chicago, 1912. 195 pp.

Equity. Vol. xvi, 1914. Philadelphia, 1914. Published quarterly.
Formerly Equity Series, vols. viii–xv, 1906–1913; vols. i–vii entitled Direct Legislation Record. Beginning with vol. ix (1907) has publication title "Equity: including The Direct Legislation Record, The Referendum News, and The Proportional Representation Review".

HAMMELL, G. W. Progress of the initiative and referendum in America. Twentieth Century Magazine, iv, pp. 282–284 (June, 1911).

HARTWELL, E. M. Referenda in Massachusetts and Boston. Publications, American Statistical Association, xii, new series, pp. 230–273 (September, 1910).
Also reprinted from Bulletin of the city of Boston, Statistics Department, xi, no. 10–12 (1909).

HATTON, A. R. Digest of city charters. Chicago, 1906. 351 pp. (Prepared for the Chicago Charter Convention.)
The referendum, pp. 60–69.

OWEN, R. L. The code of the people's rule; compilation of various statutes, etc., relating to the people's rule system of government and for terminating the abuses of machine politics, viz.: an adequate registration system; secret ballot; direct primaries; publicity of campaign contributions; corrupt practices, etc. Washington, 1910. 168 pp. (United States. 61st Congress, 2d session. Senate doc. no. 603.)

SCHAFFNER, MARGARET A. The initiative, the referendum, and the recall; recent legislation in the United States. American Political Science Review, ii, pp. 32–42 (November, 1907).

TALBOT, C. H. The initiative and referendum, state legislation. Madison, 1913. 92 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 25.)

Digest of the laws and judicial decisions. References, pp. 5–11.

5. ARGUMENTS IN FAVOR

BOURNE, JONATHAN, Jr. Initiative, referendum and recall. Washington, 1912. 12 pp.

Published also in Atlantic Monthly, cix, pp. 122–131 (January, 1912).

COMMONS, J. R. Proportional representation. 2d edition, with chapters on the initiative, the referendum, and primary elections. New York, 1907. 369 pp.

——. Referendum and initiative in city government. Political Science Quarterly, xvii, pp. 609–630 (December, 1902).

EATON, A. H. The Oregon system; the story of direct legislation in Oregon; a presentation of the methods and results of the initiative and referendum and recall in Oregon; with studies of the measures accepted or rejected; and special chapters on the direct primary, popular election of senators, advantages, defects and dangers of the system. Chicago, 1912. 195 pp.

GARDNER, C. O. The initiative and referendum in commission cities. Annals of the American Academy of Political and Social Science, xxxviii, pp. 823–832 (November, 1911).

GODKIN, E. L. Unforeseen tendencies of democracy. New York, 1898. 265 pp.

The decline of legislatures, pp. 96–144.

HAYNES, G. H. People's rule in municipal affairs. Political Science Quarterly, xxvi, pp. 432–442 (September, 1911).

JOHNSON, L. J. The initiative and referendum, an effective ally of representative government. 6th edition. Boston, 1911. 27 pp.

The most cogent brief statement of the chief arguments in favor.

MONTAGUE, R. W. The Oregon system at work. National Municipal Review, iii, pp. 256–283 (April, 1914).

TAYLOR, C. F. Municipal initiative, referendum and recall in practice. *Ibid.*, pp. 693–701 (October, 1914).

WELLIVER, J. C. Initiative, referendum, and recall. Munsey's Magazine, xlvi, pp. 329–334 (December, 1911).

WILCOX, D. F. Government by all the people; or, The initiative, the referendum and the recall as instruments of democracy. New York, 1912. 324 pp.

An out-and-out advocacy of direct legislation. All the arguments in favor are ably and clearly presented. See also below, p. 59.

6. ARGUMENTS OPPOSED

BROWN, W. H. The popular initiative as a method of legislation and political control. Chicago, 1905. 36 pp. (Reprinted from the American Journal of Sociology, x, pp. 713–749 (May, 1905).)

CAMPBELL, H. M. Representative government versus the initiative and primary nominations. North American Review, cxc, pp. 222–230 (August, 1909).

Chicago. Civic Federation. Dangers of the initiative and referendum. Chicago, 1911. 36 pp. (Bulletin no. 3.)

DUNIWAY, R. R. Direct legislation revolutionary. Case and Comment, xviii, pp. 319–323 (November, 1911).

GARNER, J. W. Primary *vs.* representative government. Proceedings, American Political Science Association, iv, pp. 164–174 (1907).

JAMES, F. B. The abnormal in law-making; an exposure of the fallacies of the initiative and referendum. Cincinnati, 1908. 8 pp.

LITTLETON, M. W. Initiative, referendum, recall; the trinity of modern errors. Case and Comment, xviii, pp. 301–305 (November, 1911).

LOWELL, A. L. Public opinion and popular government. New York, 1913. 415 pp.

Ch. xi, Direct popular action; ch. xii, Referendum in Switzerland; ch. xiii, Referendum in America; ch. xiv, The initiative; ch. xv, Reflections on direct legislation; appendix A, Results of the referendum and initiative in Switzerland; appendix B, Results of the referendum and initiative in America.

McCall, S. W. Representative as against direct government; an address before Ohio State Bar Association, Cedar Point, Ohio, July 12, 1911. Washington, 1912. 16 pp. (United States. 62d Congress, 2d session. Senate doc. no. 273.)

Also printed in the Atlantic Monthly, cviii, pp. 454–466 (October, 1911).

Norton, N. W. Initiative and referendum. Transactions, Bar Association of Arkansas, 1910, pp. 55–71.

Oberholtzer, E. P. The referendum in America, together with some chapters on the initiative and the recall. New edition. New York, 1911. 533 pp.

An excellent historical discussion. Written, on the whole, in a fair spirit but with leanings against the system of direct legislation.

Peabody, W. R. Direct legislation and its prospect in the United States. Political Science Quarterly, xx, pp. 443–455 (September, 1905).

Platt, R. T. Some experiments in direct legislation. Yale Law Journal, xviii, pp. 40–48 (November, 1908).

Taft, W. H. Popular government. Its essence, its permanence and its perils. New Haven, 1913. 283 pp.

The initiative, the referendum, the recall, pp. 72–95.

7. Constitutional Aspects of Direct Legislation

Aigler, R. W. Validity of the initiative and referendum. Michigan Law Review, v, pp. 562–566 (May, 1907).

Myrick, O. H. The initiative and referendum. On the constitutionality of the initiative and referendum. Central Law Journal, lxviii, pp. 383–390 (May 21, 1909).

SECTION XI. THE RECALL

1. Lists of References

Johnsen, Julia E., compiler. Selected articles on the recall. Minneapolis, 1911. 32 pp. (Debaters' Handbook series.)

Bibliography, pp. 9–13.

Phelps, Edith M., compiler. Selected articles on the recall, including the recall of judges and judicial decisions. New York, 1913. 228 pp. (Debaters' Handbook series.)

Bibliography, pp. xxi–xlv.

READER, C. W. Recall of public officials; a select list of references in the library of Ohio State University. Bulletin of Bibliography, vii, pp. 5–7 (1912).

SCHAFFNER, MARGARET A. The recall. Prepared with the co-operation of the Political Science Department of the University of Wisconsin. Madison, 1907. 21 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 12.)

United States. Library of Congress. Division of Bibliography. Select list of references on the initiative, referendum and recall. Compiled by H. H. B. MEYER. Washington, 1911. 102 pp.

The recall, pp. 69–87, 93–94.

University of Wisconsin. Extension Division. Department of Debating and Public Discussion. The recall. Madison, 1908. 7 pp. (Bulletin of the University of Wisconsin, serial no. 262; general series no. 144.)

2. GENERAL DISCUSSIONS

American Academy of Political and Social Science. Commission government and the city-manager plan. Philadelphia, 1914. 279 pp. (Revised edition of Commission government in American cities, Annals, xxxviii, no. 3 (November, 1911).)

BACON, E. M., and WYMAN, MORRILL. Direct elections and law-making by popular vote. Boston, 1912. 167 pp.

BRADFORD, E. S. Commission government in American cities. New York, 1911. 359 pp.

Ch. xix and xx (pp. 220–246), Referendum, initiative, and recall. See also Proceedings, National Municipal League, 1909, pp. 223–224, for cities having the recall.

Central Debating League. The recall (excluding judges). A debate, the constructive and rebuttal speeches of the representatives of the University of Chicago in the fourteenth annual contest of the Central Debating League against Michigan and Northwestern Universities. Chicago, 1912. 38 pp.

FREIBERG, A. T., LINDSEY, B. B., and WEIL, A. L. The discussion of the initiative, referendum, and recall. Proceedings, National Municipal League, 1908, pp. 75–85.

GILBERTSON, H. S. The practice of the recall. In A loose leaf digest of short ballot charters, edited by C. A. Beard, pp. 21801–21805. New York, 1911.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
The recall, iii, pp. 157–159. References, p. 159.

MUNRO, W. B., editor. The initiative, referendum and recall. New York, 1912. 365 pp. (National Municipal League series.)

POMEROY, ELTWEED. What is the recall? Arena, xxxvi, pp. 45–46 (July, 1906).

SCHAFFNER, MARGARET A. The initiative, the referendum and the recall. American Political Science Review, ii, pp. 32–42 (November, 1907).

3. DISCUSSIONS IN FAVOR

BARNETT, J. D. The operation of the recall in Oregon. American Political Science Review, vi, pp. 41–53 (February, 1912).

BLIGHT, R. E. The recall of the mayor of Los Angeles. Independent, lxvi, pp. 861–863 (April 22, 1909).

CATLETT, F. W. The recall in Seattle. In The initiative, referendum, and recall, edited by W. B. Munro, ch. xv (pp. 326–341). New York, 1912. 365 pp.

DAVIS, T. A. The recall as a measure of popular control. *Ibid.*, ch. xiii (pp. 313–320).
See also Proceedings, National Municipal League, 1906, pp. 382–387.

GILBERTSON, H. S. Popular control under the recall. Annals of the American Academy of Political and Social Science, xxxviii, pp. 833–838 (November, 1911).

——. Conservative aspects of the recall. National Municipal Review, i, pp. 204–211 (April, 1912).

HAMILTON, J. J. Government by commission; or, The dethronement of the city boss. 3d edition. New York, 1911. 285 pp.

Published in 1910 under title, The dethronement of the city boss. The recall, pp. 38–39; the recall in Des Moines charter, pp. 209–212; the recall provision amended, pp. 218–219.

HANFORD, J. J. The recall at San Bernardino, California. Pacific Municipalities, xvii, pp. 87–91 (November, 1907).

HAYNES, J. R. The recall in Los Angeles. Equity Series, ix, no. 3, pp. 4–6 (July, 1906).

HENDRICK, B. J. The " recall " in Seattle. McClure's Magazine, xxxvii, pp. 647–663 (October, 1911).

LOCKE, W. J. New ideas for municipal charters. The recall. Pacific Municipalities, xxviii, pp. 253–256 (May, 1914).

SHERLOCK, MARGARET V. The recall of Mayor Gill. Pacific Monthly, xxvi, pp. 117–130 (August, 1911).

STILSON, F. J. The recall in Los Angeles. Proceedings, National Municipal League, 1909, pp. 326–333.

SWAN, H. S. The use of the recall in the United States. In The initiative, referendum, and recall, edited by W. B. Munro, ch. xii (pp. 298–312). New York, 1912. 365 pp.

WILCOX, D. F. Government by all the people. New York, 1912. 324 pp.

The sub-title of this book, The initiative, the referendum and the recall as instruments of democracy, indicates its scope. The book is divided into five parts. Pt. I outlines some of the conditions that invite a partial revival of pure democracy in the present age. In Pts. II, III, and IV are given the objections to, and arguments in favor of the initiative, referendum and recall. Pt. V considers the general subject of majority rule. There is also an excellent index; and the proposed initiative and referendum constitutional amendment in Ohio is printed in an appendix. The book is distinctly favorable to " government by all the people," and is a contribution to the literature of the " irrepressible conflict that lies between two theories of government ".

WILLARD, C. D. The recall in Los Angeles. In The initiative, referendum, and recall, edited by W. B. Munro, ch. xiv, (pp. 321–325). New York, 1912. 365 pp.

The Dallas recall election. Outlook, xcvi, pp. 148–149 (September 24, 1910).

The recall in Dallas, Texas. *Ibid.*, xcviii, pp. 697–698 (July 29, 1911).

4. Discussions Opposed

Cheesborough, E. R. Galveston's commission form of city government; its history, details and practical workings. Galveston, 1910. 16 pp.

Opposed to recall, pp. 15–16.

McCall, S. W. Representative as against direct government. Atlantic Monthly, cviii, pp. 454–466 (October, 1911).

See also in The initiative, referendum and recall, edited by W. B. Munro, ch. vii (pp. 164–193). New York, 1912. 365 pp.

Oberholtzer, E. P. The referendum in America, together with some chapters on the initiative and recall. New edition. New York, 1911. 533 pp.

Ch. xviii (pp. 455–513), The recall.

Recall works both ways. City Hall-Midland Municipalities, xxii, pp. 107–110 (December, 1911).

5. Legal Aspects of the Recall

Beard, C. A., and Shultz, B. E. Documents on the state-wide initiative, referendum, and recall. New York, 1912. 394 pp.

McQuillin, Eugene. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.

See index under Recall.

Mechem, F. R. A treatise on the law of public offices and officers. Chicago, 1890. 751 pp.

Gives a general discussion of tenure of office and a statement of the fundamental principles underlying the right of recall, pp. 445–467.

Wigmore, J. H. Select cases on the law of torts. 2 vols. Boston, 1911–1912.

Policies seeking justification in the necessities for independence and efficiency of officers administering justice, ii, pp. 614–751.

SECTION XII. PROPORTIONAL REPRESENTATION

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Proportional representation, pp. 230–231.

Commons, J. R. Proportional representation. 2d edition. New York, 1907. 369 pp.

Bibliography of proportional representation, p. 92. See also the Proportional Representation Review, i, pp. 58–62 (October, 1893).

CURTIS, R. E. Proportional representation. Madison, 1908. 29 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 14 (August, 1908).)
References, pp. 3–4.

HOWARD, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)
Proportional representation, pp. 15–16, 123–140.

PIESSE, E. L. Bibliography of proportional representation in Tasmania. Tasmania, 1913. 39 pp.

Providence, R. I. Public Library. Reference list on proportional representation. Bulletin, ii, pp. 275–279 (December, 1896).

RINGWALT, R. C. Briefs on public questions. New York, 1911. 229 pp.
Proportional representation, pp. 59–66.

ROBIN, JEAN. La représentation proportionnelle à l'étranger dans les élections politiques. (Récentes applications.) Paris, 1911.

United States. Library of Congress. Division of Bibliography. A list of books with references to periodicals relating to proportional representation. Compiled by A. P. C. GRIFFIN. Washington, 1904. 30 pp.

——. Select list of references on proportional representation. Supplement to the printed list. Washington, 1910. 10 pp. (typewritten).

2. GENERAL DISCUSSIONS

COMMONS, J. R. Proportional representation. 2d edition, with chapters on the initiative, the referendum, and primary elections. New York, 1907. 369 pp.
A standard work and the most useful in many ways.

CURTIS, R. E. Proportional representation. Madison, 1908. 29 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 14 (August, 1908).)

DUNLOP, G. H. Proportional representation at Los Angeles. National Municipal Review, iii, pp. 92–95 (January, 1914).

FORNEY, M. N. Proportional representation. A means for the improvement of municipal government. New York, 1900. 61 pp.

FOULKE, W. D. Representation of different city interests in the council. Proceedings, National Municipal League, 1900, pp. 147–156.

HOAG, C. G. Proportional representation, preferential voting, and direct primaries. National Municipal Review, iii, pp. 49–56 (January, 1914).

JENKS, EDWARD. Doubts of proportional representation. Albany Review, ii, pp. 140–151 (November, 1907).

JONES, C. L., editor. Readings on parties and elections. New York, 1912. 354 pp.
Proportional representation, pp. 164–168.

MEYER, E. C. Nominating systems. Direct primaries versus conventions in the United States. Madison, 1902. 501 pp.
Proportional representation, pp. 464–472.

WILLIAMS, J. F. Recent developments of proportional representation. Political Science Quarterly, xxix, pp. 111–122 (March, 1914).

3. SPECIAL PHASES

BELLOT, H. H. L. Proportional representation and party government. Westminster Review, clxvii, pp. 1–11 (January, 1907).

HOAG, C. G. Effective voting; an article on preferential voting and proportional representation. Washington, 1914. 33 pp. (United States. 63d Congress, 2d session. Senate doc. no. 359.)

HUMPHREYS, J. H. Proportional representation. A study in methods of election. London, 1911. 400 pp.

JAIGU, GEORGES. La représentation proportionnelle. Paris, 1912. 211 pp.

JELLINEK, GEORG. The rights of minorities. London, 1912. 40 pp.

LA CHAPELLE, SÉVERIN DE. La représentation proportionnelle et les élections municipales françaises en 1904. Paris, 1904. 31 pp.

LÉPINE, F. La représentation proportionnelle; le problème et sa solution. Reims, 1911. 80 pp.

MARIN, LOUIS. Proposition de loi tendant à établir la représentation proportionnelle dans les élections municipales. Paris, 1910. 94 pp. (Chambre des Députés. 10 législ., sess. de 1910, no. 276, annexe au procès-verbal . . . 7 juillet 1910.)

MOORE, B. F. History of cumulative voting and minority representation in Illinois, 1870–1908; with a preface by J. W. Garner. Urbana, 1909. 48 pp. (University of Illinois Bulletin, vi, no. 2; University Studies, iii, no. 3.)

PIESSE, E. L. The theory of the quota in proportional representation. Papers and proceedings, Royal Society of Tasmania, 1913. 37 pp.

SARIPOLIS, N. La démocratie et l'élection proportionnelle. Étude historique, juridique et politique. Paris, 1899. 481 pp.

TEIXEIRA DE MATTOS, VITTORE. La rappresentanza proporzionale in teoria ed in pratica. Turin, 1910. 273 pp.

TYSON, ROBERT. The Belgium system of proportional representation. Arena, xxx, pp. 591–597 (December, 1903); xxxi, pp. 157–166 (February, 1904).

4. PERIODICAL PUBLICATIONS

American Proportional Representation League. Pamphlets. No. 1, January, 1913. Haverford. Published irregularly.

——. Proportional Representation Review. Organ of the American Proportional Representation League. Haverford. Published quarterly.

Issued as a separate publication from 1893–1895; from 1907 to July, 1914, it was published as a part of Equity; beginning 3d series, no. 32 (October, 1914), the Review is published separately.

Equity. Vol. xvi, 1914. Philadelphia. Published quarterly.

Formerly Equity Series, vols. viii–xv, 1906–1913; vols. i–vii entitled Direct Legislation Record. Beginning with vol. ix (1907) has publication title "Equity: including The Direct Legislation Record, The Referendum News, and The Proportional Representation Review." Each issue contains a Proportional Representation Department.

Proportional Representation Society (England). Representation; the journal of the Proportional Representation Society. No. 1, 1908. London. Issued irregularly.

CHAPTER III

MUNICIPAL ORGANIZATION

SECTION XIII. THE LAW OF MUNICIPAL CORPORATIONS

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Municipal law, p. 97.

Dillon, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
References to municipal law, *passim*.

Jones, L. A. An index to legal periodical literature. 2 vols. Boston, 1888–1899.
Contains references to articles on the law of municipal corporations.

McQuillin, Eugene. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
References to municipal law, *passim*.

2. General Discussions

Goodnow, F. J. Municipal government. New York, 1909. 401 pp.
Ch. vii (pp. 96–113), The legal position of the modern city.

——. Municipal home rule. New York, 1903. 283 pp.

McBain, H. L. The rights of municipal corporations under the contract clauses of the federal constitution. National Municipal Review, iii, pp. 284–303 (April, 1914).

Munro, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. iv (pp. 80–101), Municipal powers and responsibilities.

Redlich, Josef, and Hirst, F. W. Local government in England. 2 vols. London, 1903.
The legal powers of English municipalities, their sources and extent, i, pp. 219–227.

Rowe, L. S. Problems of city government. New York, 1908. 358 pp.
Ch. vii (pp. 141–166), The legal powers of the municipality.

3. Special Treatises

Abbott, H. S. A summary of the law of public corporations. St. Paul, 1908. 786 pp.

——. Treatise on the law of municipal corporations. 3 vols. St. Paul, 1905–1906.

Arnold, T. J. The law relating to municipal corporations in England and Wales. 5th edition. By W. W. Mackenzie, G. R. Hill, assisted by C. L. Des Forges. London, 1910. lxviii, 750 pp.

Cooley, R. W. Handbook of the law of municipal corporations. St. Paul, 1914. 711 pp.

Dillon, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

The most comprehensive and authoritative of all the commentaries.

Elliott, C. B. Municipal corporations. 2d edition. Rewritten and brought to date by J. E. Macy. Boston, 1910. 364 pp.

Garland, J. S. New England town law; a digest of statutes and decisions concerning towns and town officers. Boston, 1906. xxxi, 83, 825 pp.

Goodnow, F. J. Comparative administrative law; an analysis of the administrative systems, national and local, of the United States, England, France and Germany. Two vols. in one. New York, 1903. 338, 327 pp.

McQuillin, Eugene. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.

Smith, J. W. Commentaries on the modern law of municipal corporations, including public corporations and political governmental corporations of every class. Being a revised, rewritten and enlarged edition of Beach on public corporations. 2 vols. Indianapolis, 1903.

Williams, W. L. The liability of municipal corporations for tort, treating fully of municipal liability for negligence. Boston, 1901. xxxix, 345 pp.

4. Selections of Cases

Beale, J. H. A selection of cases on municipal corporations. Cambridge, 1911. 686 pp.

Cooley, R. W. Illustrative cases on municipal corporations. A companion book to Cooley on municipal corporations. St. Paul, 1913. 379 pp.

Freund, Ernst. Cases on administrative law, selected from decisions of English and American courts. St. Paul, 1911. xxi, 681 pp.

Goodnow, F. J., editor. Selected cases on the law of public officers. Chicago, 1906. 709 pp.

Macy, J. E. A selection of cases on municipal or public corporations. Boston, 1911. 503 pp.

Section XIV. City and State: Municipal Home Rule

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

References on home-rule charters, p. 98.

Brown, C. H. List of titles on municipal government, with special reference to city charters and to local conditions in Chicago. Chicago, 1906. 51 pp. (City Club of Chicago. Publication no. 3, 1906.)

Home rule for cities, p. 45.

Howard, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)

References on home rule, pp. 108–109, 178–184.

Munro, W. B. The government of American cities. New York, 1912. 401 pp.

Ch. iii (pp. 53–79), The city and the state. References, p. 79.

Reynolds, J. B., editor. Civic bibliography for Greater New York. New York, 1911. 296 pp. (Russell Sage Foundation publication.)

References on home rule, p. 29.

Rowe, L. S. Problems of city government. New York, 1908. 358 pp.

Ch. vi (pp. 115–140), The position of the city in the American political system. References, p. 140.

SCHAFFNER, MARGARET A. Municipal home rule charters. Madison, 1908. 38 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 18 (October, 1908).)

References, pp. 3–4.

United States. Library of Congress. Division of Bibliography. Select list of references on municipal home rule. Washington, 1911. 5 pp. (typewritten).

University of Wisconsin. University Extension Division. Department of Debating and Public Discussion. Municipal home rule. Madison, 1914. 10 pp. (Bulletin of the University of Wisconsin, serial no. 619; general series no. 437.)

Sources of information, pp. 8–9.

Virginia. State Library. Legislative reference lists, 1910. Richmond, 1910. 46 pp.

Home rule, pp. 9–14.

2. GENERAL DISCUSSIONS

Academy of Political Science of the City of New York. The revision of the state constitution. Proceedings, v, no. 2. New York, 1915. 215 pp.

Home rule for cities, by H. L. McBain, pp. 1–38; A proposal for a revision of the municipal article, by L. A. Tanzer, pp. 39–56; Local government and the state constitution, by M. A. Glynn, pp. 57–60; The city and the state constitution, by J. A. Mitchel, pp. 61–67; Discussion, pp. 68–79.

BEARD, C. A. American city government; a survey of newer tendencies. New York, 1912. 420 pp.

Ch. ii (pp. 31–51), Home rule.

BINKERD, R. S. Home rule for cities. Proceedings, Third Annual Conference of the Mayors of the Cities of New York State, pp. 5–19 (1912).

Cleveland. Municipal Association. Constitutional home rule for cities. Cleveland, 1912. 34 pp.

A strong argument for home rule.

DEMING, H. E. The government of American cities. New York, 1909. 323 pp.

Ch. iii (pp. 26–33), The domination of cities by state legislatures.

DONEGAN, M. F. Home rule for cities and towns. American Municipalities, xxiv, pp. 69–74 (December, 1912).

GOODNOW, F. J. Municipal home rule; a study in administration. New York, 1906. 283 pp.

Contents: ch. i, Introduction; ch. ii, The public character of American municipal corporations, and the failure of the legislature to set aside a sphere of municipal home rule; ch. iii, The effect of the American system of protecting private rights upon the attitude of the legislature towards municipal corporations; ch. iv, The effects of the American law as to municipal powers on the attitude of the legislature towards municipal corporations; ch. v, The constitutional limitations of the power of the legislature over municipal affairs; ch. vi, The means of delimiting the sphere of private action of municipal corporations in the American law; ch. vii, What are municipal affairs from the point of view of the liability of municipal corporations for torts; ch. viii, What are municipal affairs from the point of view of the liability of municipal corporations for their management of property; ch. ix, What municipal property is protected by the constitutional provisions protecting private property; ch. x, What municipal property is subject to alienation; ch. xi, What is the sphere of private municipal action recognized by the American law; ch. xii, European methods of distinguishing and securing the sphere of municipal home rule.

——. Municipal government. New York, 1909. 401 pp.

Ch. iv (pp. 45–62), The city-state; ch. v (pp. 63–77), The city as an administrative district of a larger state; ch. vi (pp. 78–95), The city as an organ for the satisfaction of local needs; ch. viii (pp. 114–136), State control over cities.

HAYNES, G. H. People's rule in municipal affairs. Political Science Quarterly, xxvi, pp. 432–442 (September 1911).

HOWE, F. C. The city, the hope of democracy. New York, 1906. 319 pp.

Ch. x (pp. 158–176), The city republic.

——. The modern city and its problems. New York, 1915. 390 pp.

Ch. vi (pp. 66–75), The city and the state; ch. vii (pp. 76–85), Municipal home rule.

League of American Municipalities. Home rule for cities. City Hall-Midland Municipalities, xii, pp. 133–140 (September, 1910).

Several short papers and discussions.

MCMATH, R. E. Municipal home rule, its scope and limitations. Municipal Engineering, xix, pp. 205–208 (September, 1900).

MAHOOL, J. B. Home rule for cities. American City, iv, pp. 9–13 (January, 1911).

MALTBIE, M. R. City-made charters, a study in municipal home rule. Yale Review, xiii, pp. 379–407 (February, 1905).

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. iii (pp. 53–79), The city and the state.

New York State. Municipal Government Association. Home Rule Advocate. Vol. i, May, 1913. New York. Published irregularly.

PARSONS, FRANK. The city for the people. Philadelphia, 1901. 704 pp.
Ch. iii (pp. 387–468), Home rule for cities.

PATTON, O. K. Home rule in Iowa. Iowa City, 1914. 132 pp. (Iowa Applied History series, ii, no. 3.)

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.
Ch. x (pp. 194–215), Municipal home rule.

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.
Ch. vi (pp. 115–140), The position of the city in the American political system.

SCHAFFNER, MARGARET A. Municipal home rule charters. Madison, 1908. 38 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 18.)
References, pp. 3–4. *Contents:* Scope of home rule movement; Laws and judicial decisions; Procedure in charter-making.

University of Wisconsin. University Extension Division. Department of Debating and Public Discussion. Municipal home rule. Madison, 1914. 10 pp. (Bulletin of the University of Wisconsin, serial no. 619; general series no. 437.)
Sources of information, pp. 8–9.

WILCOX, D. F. The American city; a problem in democracy. New York, 1911. 423 pp.
Ch. xi (pp. 313–340), Local responsibility and municipal home rule.

WOODRUFF, C. R. A freer city — a plea for municipal home rule. Yale Review, xii, pp. 360–371 (February, 1904).

3. Special Phases of Home Rule

Deming, H. E. Uniform municipal accounting and home rule. Proceedings, National Municipal League, 1905, pp. 248–251.

Eaton, D. B. The government of municipalities. New York, 1899. 498, 28 pp.

Ch. iii (pp. 57–88), The relation of political parties to home rule and municipal administration.

Frisbie, Donald. The restriction of a city's powers of self-government by a state legislature. Proceedings, Third Annual Conference of the Mayors of the Cities of New York State, pp. 207–216 (1912).

Goodnow, F. J. The administrative aspects of state central control. Proceedings, National Municipal League, 1905, pp. 252–255.

——. Municipal problems. New York, 1904. 321 pp.

Ch. ii (pp. 22–32), The position of the city; ch. iii (pp. 33–62), The sphere of municipal activity; ch. iv (pp. 63–89), The relations of the city to the state; ch. v (pp. 90–110), The central administrative control over cities in Europe; ch. vi (pp. 111–144), The effects of central administrative control in England.

Hatton, A. R. Municipal home rule for Iowa. American Municipalities, xxviii, pp. 193–198 (March, 1915).

St. Louis. Civic League. Home rule legislation. St. Louis, 1913. 14 pp.

Shepard, H. N. The thraldom of Massachusetts cities. National Municipal Review, i, pp. 182–194 (April, 1912).

Tanzer, L. A. Legislative interference in municipal affairs and the home rule program in New York. *Ibid.*, ii, pp. 597–604 (October, 1913).

Wilcox, D. F. Municipal home rule: city charters framed by municipal conventions. Papers, League of Michigan Municipalities, 1904, pp. 97–108.

4. Constitutional and Legal Aspects of Home Rule

Beale, J. H. Selection of cases on municipal corporations. Cambridge, 1911. xxvii, 686 pp.

Legislative control over municipal corporations, pp. 82–147.

COOLEY, R. W. Handbook of the law of municipal corporations. St. Paul, 1914. 711 pp.
See index under Municipal corporations.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
Vol. i, pp. 154–173, The right of local self-government.

GOODNOW, F. J. Municipal home rule. New York, 1906. 283 pp.
Ch. v (pp. 56–98), Constitutional limitations on the power of the legislature over municipal affairs.

GUITTEAU, W. B. Constitutional limitations upon special legislation concerning municipalities. Toledo, 1905. 64 pp.

HATTON, A. R. Digest of city charters. Chicago, 1906. 351 pp.
The relations of the city to the state, pp. 1–48.

MCQUILLIN, EUGENE. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
See index under Freeholders' charters.

MACY, J. E. Selection of cases on municipal or public corporations. Boston, 1911. 503 pp.
Ch. ii (pp. 17–31), Creation (of municipal corporations).

MILLER, G. A. Recent constitutional and statutory enactment in Michigan relative to cities. Proceedings, National Municipal League, 1909, pp. 229–248.

SKINNER, R. W. Constitutional limitations relating to cities and their affairs. Annals of the American Academy of Political and Social Science, xxvii, p. 232 (January, 1906).

SECTION XV. RELATIONS OF CITY AND COUNTY

Academy of Political Science of the City of New York. The revision of the state constitution. Proceedings, v, no. 2. New York, 1915. 215 pp.
The organization of county government, by G. S. Buck, pp. 80–86; Discussion, pp. 87–92.

American Academy of Political and Social Science. County government. Annals, xlvii (May, 1913). Philadelphia, 1913. 326 pp.
Elements of the county problem, by H. S. Gilbertson; The county community and its government, by W. L. Bailey; County government in New England, by F. A. Updyke; Parish government in Louisiana, by W. O. Scroggs; County government in Missouri, by Isidor Loeb; County

and town government in Illinois, by J. A. Fairlie; The county employee, by Winston Paul; The county in politics, by C. L. Jones; The merit system and the county civil service, by R. W. Belcher; The coroner's office, by O. T. Schultz; The public prosecutor: his powers, temptations and limitations, by H. S. Gans; Boston's county problems, by O. C. Hormell; County administration of school affairs in its relation to the state department, by F. H. Harrin; Charity functions of the Pennsylvania county, by Ella F. Harris; Administration of local taxation in Ohio, by F. W. Coker; County budgets: Economy and efficiency in expenditures, by J. E. Boyle; State supervision of county assessment and taxation, by J. E. Brindley; County home rule in California: The Los Angeles County charter, by L. R. Works; The government of Alameda County, California, by M. L. Requa; Checks on county government in Indiana, by J. A. Lapp; The movement for county reorganization in New Jersey, by Winston Paul; County government in New York State, by O. G. Cartwright; State and county government in Oregon and proposed changes, by W. S. U'Ren; A theoretically perfect county, by R. S. Childs.

American Political Science Association. Proceedings, viii, pp. 61–121 (1911). Baltimore, 1911.

The Proceedings form the supplement to the American Political Science Review, and this is vol. vi, no. 1 (February, 1912). *Contents:* The city and county in Massachusetts, by O. C. Hormell, pp. 61–72; The relation of county to city government in New York, by Arthur Ludington, pp. 73–88; Cook County and Chicago, by F. D. Bramhall, pp. 89–96; The scheme of separation of city and county governments in St. Louis — its history and purposes, by T. P. Young, pp. 97–108; Consolidated city and county government of San Francisco, by P. V. Long, pp. 109–121.

CHILDS, R. S. County manager plan. American City (town and county edition), xi, pp. 457–461 (December, 1914).

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

See index under County.

FAIRLIE, J. A. Local government in counties, towns, and villages. New York, 1906. 289 pp.

The best concise description of county organization and powers.

GILBERTSON, H. S. The New York county system. American Political Science Review, viii, pp. 413–430 (August, 1914).

GOODNOW, F. J. Comparative administrative law: an analysis of the administrative systems, national and local, of the United States, England, France and Germany. Two vols. in one. New York, 1903. 338, 327 pp.

See index under County.

KING, C. L. Report of the city-county committee of the American Political Science Association. American Political Science Review, viii, supplement, pp. 281–291 (February, 1914).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
County and city governments concurrent, i, pp. 488–489. References, p. 489.

MCQUILLIN, EUGENE. Treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
See index under County.

PAUL, WINSTON, and GILBERTSON, H. S. Counties of the first class in New Jersey. American Political Science Review, viii, supplement, pp. 292–300 (February, 1914).

TERHUNE, C. F. Bridging the gap of indifference between city and county. American City, viii, pp. 399–401 (April, 1913).

SECTION XVI. CITY CHARTERS

1. LISTS OF REFERENCES

BATES, F. G. Municipal ordinances and documents. Special Libraries, v, pp. 12–21 (January, 1914).

HATTON, A. R. A digest of city charters. Chicago, 1906. 351 pp.
References to charters and laws, *passim*.

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–71 (April, 1908).
Municipal charters, pp. 45–46.

New York City. Public Library. List of city charters, ordinances and collected documents in the New York Public Library. New York, 1913. 383 pp.
A very full list.

2. DIGESTS OF CHARTERS

BEARD, C. A., editor. A loose leaf digest of short ballot charters. New York, 1911.
Contains summarized provisions, chiefly of commission charters.

HATTON, A. R. A digest of city charters. Chicago, 1906. 351 pp.
Prepared for the Chicago Charter Convention.

3. Drafts of Model Charters

James, H. G. Applied city government; the principles and practice of city charter making. New York, 1914. 106 pp.
Contains model provisions, with a discussion of each.

Matthews, Nathan. Municipal charters. Cambridge, 1914. 210 pp. (Harvard University. Bureau for Research in Municipal Government. Publication No. 1.)
A discussion of the essentials of a city charter, with forms or models for adoption.

National Municipal League. Municipal program. New York, 1900. 246 pp.
Printed also in H. E. Deming, Government of American Cities. New York, 1909. 323 pp. A revision of the Program is now under way and will be published in 1916 by the National Municipal League.

4. Types of General Charter Laws

New Jersey. Laws, 1911. Chapter 221. An act relating to, regulating and providing for the government of cities, towns, boroughs, and other municipalities within this state. Approved April 25, 1911. (Separately printed.) Trenton: MacCrellish and Quigley, 1913. 27 pp.

New York. Laws, 1914. Chapter 444. An act to authorize a city of the second or third class to adopt a simplified form of government. (Separately printed.) Albany, 1914. 23 pp.

Ohio. Laws, 1902. The municipal code of Ohio including the act of October 22, 1902, with all amendments and supplements thereto and all statutes relating to municipal corporations together with complete annotations of decisions and all necessary forms. By W. H. Ellis. 5th edition, by C. B. Ellis. (Separately printed.) Cincinnati: W. H. Anderson Co., 1912. xxxii, 1341 pp.
This code is now superseded.

Pennsylvania. Laws, 1901. Act governing cities of the second class. Act of March 7, 1901 (pamphlet laws no. 20), as amended to the year 1911, inclusive. (Separately printed.) Harrisburgh, 1911. 70 pp.

Wisconsin. Laws, statutes, etc. General charter law of Wisconsin; organization and government of cities under general law, ch. 40a of the statutes as amended by the laws of 1899, 1901, 1903, 1905, 1907, 1909. Compiled under the direction of J. A. FREAR, secretary of state. (Separately printed.) Madison: Democratic Printing Co., 1910. 168 pp.

5. CHARTERS OF FIFTY TYPICAL CITIES

Atlanta, Ga. The charter and ordinances of the city of Atlanta. Code of 1910. Atlanta: Mutual Publishing Co., 1910. 1030 pp.

Baltimore. The Baltimore city code, containing public local laws of Maryland relating to the city of Baltimore and the ordinances of the mayor and city council of Baltimore in force on the first day of July, 1906. Compiled by CHARLES PIELERT under the direction of W. C. BRUCE, city solicitor. Baltimore: Peters Publishing and Printing Co., 1906. 1637 pp.

Berkeley, Cal. Charter of the city of Berkeley. Compiled, annotated and indexed by E. L. PHILLIPS. In effect July 1, 1909. 154 pp.

Birmingham, Ala. An act of the legislature of Alabama creating a commission form of government under which the city of Birmingham is now organized. In effect March 31, 1911. Montgomery: Brown Printing Co., 1911. 22 pp.

Boston. An act of the legislature of Massachusetts relating to the administration of the city of Boston and to amend the charter of said city. Doc. 118 (1909). Boston, 1909.

The consolidated statutes relating to the city of Boston. Codified by T. M. BABSON, corporation counsel, by order of the city council. Boston: Printing Department, 1908. 631 pp.

Bridgeport, Conn. An act revising the charter of the city of Bridgeport. Connecticut Special acts and resolutions, XV, Pt. I, pp. 493–556 (1907).

Buffalo. Laws of New York, 1914. Ch. 217. An act to provide a charter for the city of Buffalo. (Separately printed.) Buffalo, 1914. 136 pp.

Cedar Rapids, Iowa. Commission plan of government. The Iowa law providing for municipal government under the commission plan, the ordinance fixing departments and apportioning powers, and the reports of the heads of the departments from the adoption of the commission plan in April, 1908, to January 1, 1910. Cedar Rapids: National Printing Co., 1910. 46 pp.

Cleveland. Charter of the city of Cleveland. Prepared and proposed by the charter commission. Adopted July 1, 1913. Cleveland, 1913. 80 pp.

Dallas, Texas. Charter of the city of Dallas, 1907 (including amendments of 1909). Dallas [1910]. 141 pp.

Dayton, Ohio. Charter for the city of Dayton. Prepared and proposed by the charter commission. Reprinted for the Bureau of Municipal Research, Dayton. Dayton: General Printing Co., 1913. 63 pp.

Denver, Colo. Charter of the city and county of Denver, framed by the second charter convention, February 6, 1904, adopted by vote March 29, 1904, and all amendments thereof to and including February 17, 1914. Containing also article xx of the constitution of the state of Colorado with amendment to section 6 thereof, revised and brought down to February 17, 1914. Compiled by J. I. MULLINS and W. E. WHITE. Denver: Smith-Brooks Printing Co., 1914. 225 pp.

Des Moines, Iowa. The Des Moines plan of commission government. Published by authority of the city council. Des Moines, 1912. 45 pp.

Detroit. The charter of the city of Detroit, with the amendments thereto and the acts of the legislature relating to or affecting the city of Detroit. Compiled under the direction of T. E. TARSNEY, corporation counsel. Detroit: Thomas Smith Press, 1904. 664 pp.

Duluth, Minn. Charter of the city of Duluth. Duluth: Greer Printing Co., 1914. 38 pp.

Erie, Pa. A digest of the laws and ordinances for the government of the municipal corporation of the city of Erie in force April 2, 1906, embracing also the laws applicable to cities of the 3d class, etc. Compiled by THOMAS HANLON, city clerk. Erie: Dispatch Printing and Engraving Co., 1906. 316, 595 pp.

Fall River, Mass. The charter of the city of Fall River. Chapter 393 of the Massachusetts Acts and resolves, 1902, as amended by chapter 225 of the Massachusetts Acts and resolves, 1903. Fall River: Munroe Press, 1903. 20 pp.

Fort Worth, Texas. Charter of the city of Fort Worth. As passed by the 31st legislature, 1909. Fort Worth: Texas Printing Co., 1909. 116 pp.

Galveston, Texas. Charter of the city of Galveston as passed by the 28th legislature of the state of Texas and approved by the governor, March 30, 1903, and amendments thereto passed by the 29th and 30th legislatures. Galveston: F. J. Finck Stationery and Printing Co., 1907. 90, xxxix pp.

Grand Rapids, Mich. Present charter of the city of Grand Rapids. Grand Rapids: Duhamel Printing Co., 1912. 90 pp.

Harrisburgh, Pa. A digest of the laws and ordinances of the city of Harrisburgh, Pa., in force August 1, 1906. Published by authority. In two parts: Pt. I, by LOUIS RICHARDS; Pt. II, by J. M. LAMBERTON. Newark: Soney and Sage, 1906. xxii, 583 pp.

Hartford, Conn. The compiled charter and revised ordinances of the city of Hartford, including all amendments to the charter and all ordinances in force October 1, 1907, with an appendix containing all ordinances enacted from October 1, 1907, to May 1, 1908. Hartford: Case, Lockwood and Brainard Co., 1908. 199, 58 pp.

Haverhill, Mass. City of Haverhill, Massachusetts, 1911. Lists of city officers, duties of heads of departments, text of charter of 1908. Haverhill: Chase Press, 1911. 41 pp.

Houston, Texas. Charter of the city of Houston and general ordinances, passed by the city council from October 31, 1904, to and including October 31, 1910. Published by authority of the city council of Houston, to supplement the code of ordinances of 1904. Houston: W. H. Coyle and Co., 1910. 326, 23 pp.

Indianapolis, Ind. Acts of the general assembly of Indiana so far as they control the city of Indianapolis (in force April 15, 1909). Containing also the general ordinances of Indianapolis since revision of 1904 and prior to January 1, 1910, also an index to the penal ordinances in revision of 1904. Collated and annotated by L. A. Cox and J. F. COWERN. Indianapolis: Sentinel Printing Co., 1910. 776 pp.

Jacksonville, Fla. Charter and ordinances of the city of Jacksonville. Compiled by P. H. ODOM, city attorney. Jacksonville: Kennedy Brown Hall Co., 1911. 523 pp.

Kansas City, Mo. Charter and revised ordinances of Kansas City, 1909. Compiled, arranged, annotated, and indexed by REES TURPIN, GEORGE KINGSLEY, and C. L. SHANNON. Kansas City: Frank T. Riley Publishing Co., 1909. 1007 pp.

Lawrence, Mass. Massachusetts Laws, 1911. Ch. 621. An act to revise the charter of the city of Lawrence. (Separately printed.) Lawrence, 1911. 23 pp.

Los Angeles, Cal. Charter of the city of Los Angeles as adopted in January, 1889, amended January, 1903, January, 1905, February, 1907, February, 1909, and March, 1911. Compiled and indexed by C. H. TRIBIT, Jr. Los Angeles: Press of Parker and Stone Co., 1911. 198, 48 pp.

Amendments to the charter. March 24, 1913. 16 pp.

Louisville, Ky. Ninth biennial compilation of general ordinances of the city of Louisville, including the act entitled An act for the government of cities of the first class. Louisville: Courier-Journal Job Printing Co., 1911. 1000 pp.

Lowell, Mass. Amendment to the charter of the city of Lowell, Massachusetts Acts and resolves, 1911, ch. 645. Published by the charter revision committee. Lowell, 1911. 28 pp.

Lynn, Mass. Revised charter of the city of Lynn. Lynn: Frank S. Whitten, 1910. 24 pp.

Minneapolis, Minn. Minneapolis city charter and ordinances. Court and board acts, park ordinances, rules of city council, etc. Published by authority of the city council of the city of Minneapolis. Compiled by FRANK HEALY, L. A. LYDIARD, W. H. MORSE, and H. N. KNOTT. Minneapolis, 1905. 1287 pp.

Nashville, Tenn. The charter of the city of Nashville. As amended by various acts of the general assembly of Tennessee, including all amendatory acts passed by the general assembly of 1909, to which all such acts of 1909 are prefixed. Nashville: McQuiddy Printing Co., 1909. 146 pp.

New Orleans, La. Act no. 159, senate bill no. 206, of Louisiana general assembly incorporating the city of New Orleans, to provide a commission form of government for the administration of the affairs of said city. New Orleans, 1912. 46 pp.

Newton, Mass. City charter, with amendments to January 1, 1912, revised ordinances of 1912, standing regulations, statutes relating to the city. Newton: Stratton Press, 1913. 310 pp.

New York City. The Greater New York charter as enacted in 1897 and amended in 1901, as further amended to 1906. With notes . . . together with appendixes . . . and the English colonial charters. By MARK ASH and WILLIAM ASH. New York: Baker, Voorhis & Co., 1906. cxxx, 1373 pp.

Supplement, 1907–1912, to Ash's Annotated Greater New York charter. 3d edition, 1906. Containing amendments made by the New York legislature subsequent to 1906 and including 1911, with annotations of the judicial

decisions relating thereto from June 15, 1906, to January 1, 1912. By MARK ASH and WILLIAM ASH. New York: Baker, Voorhis & Co., 1912. 487 pp.

Amendments of 1912 to Ash's Annotated Greater New York charter. 3d edition, 1906, and supplement. Arranged by MARK ASH and WILLIAM ASH. New York: Baker, Voorhis & Co., 1912. 50 numbers. Printed on one side of leaf only.

Amendments of 1913 to Ash's Annotated Greater New York charter. 3d edition, 1906, and supplement, containing amendments made to charter at the legislative session of 1913. Arranged by MARK ASH and WILLIAM ASH. New York: Baker, Voorhis & Co., 1913. 64 numbers. Printed on one side of leaf only.

The charter of the city of New York. Ch. 466, Laws of 1901, with all amendments to and including 1914. Brooklyn, 1914. 208 pp. (Eagle Library, xxix, no. 13, serial no. 119.)

A revision and condensation of the existing charter with all its amendments.

Norfolk, Va. The charter of the city of Norfolk, as adopted March 14, 1906, and as amended March 12 and 14, 1908. Norfolk: W. T. Barron and Co., 1908. 125 pp. (Charter also printed in Acts and joint resolutions of Virginia, 1906, pp. 254–292.)

Oakland, Cal. The charter of the city of Oakland. Prepared and proposed by the board of freeholders elected July 6, 1910. Oakland: Borland-Nilson Press, 1911. 112 pp.

Philadelphia. The Bullitt Bill as adopted by the legislature of Pensylvania, June 1, 1885, and as amended and supplemented to 1909; together with the ordinances to carry it into effect, passed by the councils of Philadelphia. Printed in "Philadelphia," i, no. 1 (July 1909). Published by the city government. 15 pp.

Portland, Ore. Charter of the city of Portland in effect July 1, 1913, as revised by the council August 19, 1914. Portland: J. R. Rogers Press, 1914. 156 pp.

Richmond, Va. The charter and the general ordinances of the city of Richmond. Compiled by the city attorney by authority. Richmond: Capitol Printing Co., 1910. 748 pp.
This is known as the Richmond city code.

St. Louis. Charter of the city of St. Louis. Prepared by the board of freeholders, elected by the people, April 1, 1913. St. Louis: Wilson Printing Co., 1914. 76 pp.

St. Paul, Minn. Charter of the city of St. Paul as adopted in 1900 and amended in 1904, 1906, 1908, 1910, 1912. St. Paul: Review Publishing Co., 1913. 148 pp.

San Francisco. Charter of the city and county of San Francisco, prepared and proposed by the board of freeholders elected December 27, 1897. With amendments adopted at special election December 4, 1902 (in effect February 5, 1903), amendments adopted November 5, 1907 (in effect November 22 and 23, 1907), and amendments adopted November 15, 1910 (in effect February 17, 1911). San Francisco: Brown and Power Stationery Co., 1911. 216 pp.

Scranton, Pa. A digest of the laws and ordinances of the city of Scranton, compiled by D. J. DAVIS, city solicitor, and H. R. VAN DEUSEN, assistant city solicitor. Published by authority. Scranton: Boyer Printing Co., 1907. 541 pp.

Seattle, Wash. The charter of the city of Seattle. Adopted at the general election March 3, 1896, as amended in 1900, 1902, 1904, 1906, 1908, 1910, 1911 and 1912. Published by authority of the city of Seattle. Seattle: Lowman and Hanford Co., 1912. 130 pp.

Spokane, Wash. Charter of the city of Spokane. Commission form of government. Adopted December 28, 1910. Spokane: Quick Print, 1911. 40 pp.

Springfield, Ohio. The charter of the city of Springfield, Ohio. Springfield: Winkler Printer, 1913. 36 pp.

Tacoma, Wash. Charter and general ordinances in force June 1, 1913. Tacoma, 1913. 579 pp.

SECTION XVII. MUNICIPAL ORDINANCES

1. Lists of References

BATES, F. G. Municipal ordinances and documents. Special Libraries, v, pp. 12–21 (January, 1914).

New York City. Public Library. List of city charters, ordinances and collected documents in the New York Public Library. New York, 1913. 383 pp.

2. The Law of Municipal Ordinances

COOLEY, R. W. Handbook of the law of municipal corporations. St. Paul, 1914. 711 pp.
See index under Ordinances.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
See index under Ordinances.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Ordinances, municipal, sources of ordinance power, ii, pp. 587–588. References, p. 588.

MCQUILLIN, EUGENE. Treatise on the law of municipal ordinances. Chicago, 1904. clxxxv, 1031 pp.

——. Treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
See index under Ordinances.

MACY, J. E. A selection of cases on municipal or public corporations. Boston, 1911. 503 pp.
See index under Ordinances.

3. Revised Ordinances of Forty Typical American Cities [1]

Albany, N. Y. Municipal code of the city of Albany, containing the Dongan charter, second class cities' law, the unrepealed portions of the former city charters, general and special state laws applicable to the city of Albany and the general city ordinances. Complete to September, 1910. Com-

[1] This list contains revised ordinances of cities which vary in size and which are located in all parts of the country. Only such collections as have been revised during the last ten years are included.

piled and arranged by F. M. DANAHER and C. H. MILLS, under the direction of A. L. ANDREWS, corporation counsel. Albany: Brandow Printing Co., 1910. 943 pp.

Atlanta, Ga. The charter and ordinances of the city of Atlanta. Code of 1910. Atlanta: Mutual Publishing Co., 1910. 1030 pp.

Baltimore. The Baltimore city code, containing public local laws of Maryland relating to the city of Baltimore and the ordinances of the mayor and city council of Baltimore in force on the first day of July, 1906. Compiled by CHARLES PIELERT under the direction of W. C. BRUCE, city solicitor. Baltimore: Peters Publishing and Printing Co., 1906. 1637 pp.

Berkeley, Cal. General ordinances of the city of Berkeley of the county of Alameda. May 1, 1911. Berkeley: Press of the Courier Publishing Co., 1911. 324 pp.

Boston. The revised ordinances of 1898 of the city of Boston and the revised regulations of 1898 of the board of aldermen of the city of Boston. 12th revision, 6th edition. Prepared by J. T. PRIEST. Boston: Printing Department, 1908. 292 pp.

Supplement to the revised ordinances of 1898. Containing the ordinances and regulations of the city of Boston passed in the municipal years 1908–1912. Doc. 61 (1913). Boston: Printing Department, 1913. 75 pp.

The revised ordinances of 1914 of the city of Boston; being the thirteenth revision; with tables showing the disposition of prior ordinances and regulations. Boston: Printing Department, 1915. 148 pp.

Cedar Rapids, Iowa. The municipal code of Cedar Rapids, Iowa, compiled by C. F. LIEBERGER. Cedar Rapids: Tribune Publishing Co., 1913. 416 pp.

Charleston, S. C. The revised ordinances of the city of Charleston. Revised and codified by direction of the city council. Charleston: Walker, Evans, and Cogswell Co., 1903. 462 pp.

Chicago. The Chicago code of 1911. Containing all the general ordinances of the city in force March 13, 1911. Revised and codified by E. J. BRUNDAGE, corporation counsel, assisted by H. W. Hayes and G. E. DIERSSON. Chicago: Callaghan and Co., 1911. 1270 pp.

Cincinnati, Ohio. Codification of ordinances of the city of Cincinnati, 1911. Revision, codification, rearrangement and repeal of certain ordinances in force prior to date of passage of this ordinance numbered 2585. Cincinnati, 1911. 385 pp.

Cleveland. Ordinances of the city of Cleveland. Revised by authority of the council under the direction of the city solicitor, and containing all the general ordinances in force January 1, 1907. Cleveland: C. Lezius Printing Co., 1907. 874 pp.

Covington, Ky. A compilation of the ordinances and municipal laws of the city of Covington, Ky., in force August 15, 1910. Containing the municipal act of March 19, 1894, and amendments thereto, and certain special acts relating to the city of Covington. Annotated and compiled by W. C. HALL. Covington: Semple and Schram, 1910. 752 pp.

Dallas, Texas. The code of the city of Dallas, Texas. Adopted April 10, 1911. Laws of the corporation in force at that date. Prepared by C. F. O'DONNELL. Dallas: Etheridge Printing Co., 1911. 381 pp.

Denver, Colo. The municipal code of the city of Denver approved April 12, 1906. Containing also article xx of the constitution of Colorado, the charter adopted March 29, 1904, liquor ordinances of annexed towns and cities. Compiled by C. W. VARNUM and J. F. ADAMS. Denver, 1906. 868 pp.

Detroit. Compiled ordinances of Detroit of 1912. Compiled by F. R. SCHMALZRIEDT. Arranged and published by C. A. NICHOLS, city clerk. Detroit: Houghton-Jacobson Printing Co., 1912. 899 pp.

Erie, Pa. A digest of the laws and ordinances for the government of the municipal corporation of the city of Erie, in force April 2, 1906, embracing also the laws applicable to cities of the third class, etc. Compiled by THOMAS HANLON, city clerk. Erie: Dispatch Printing and Engraving Co., 1906. xxii, 316, 595 pp.

Evansville, Ind. Revision of 1907 of the general ordinances of the city of Evansville. Containing also acts of the Indiana general assembly so far as they control said city. Compiled by D. C. GIVENS and A. J. VENEMAN. Evansville: Legeman Printing Co. 573 pp.

Grand Rapids, Mich. Compiled ordinances of Grand Rapids. Containing all ordinances passed by the common council in force September 1, 1906. Compiled and indexed by C. P. CAMPBELL. With a supplement containing ordinances passed between September 1, 1906, and July 1, 1907. Grand Rapids, [1907?]. xv, 487, 24 pp.

Harrisburgh, Pa. A digest of the laws and ordinances of the city of Harrisburgh, in force August 1, 1906. Published by authority. In two parts: Pt. I, by LOUIS RICHARDS; Pt. II, by J. L. LAMBERTON. Newark: Soney and Sage, 1906. xxii, 583 pp.

Hartford, Conn. The compiled charter and revised ordinances of the city of Hartford, including all amendments to the charter and all ordinances in force October 1, 1907, with an appendix containing all ordinances enacted from October 1, 1907, to May 1, 1908. Hartford: Case, Lockwood and Brainard Co., 1908. 199, 58 pp.

Indianapolis, Ind. Acts of the general assembly of Indiana so far as they control the city of Indianapolis (in force April 15, 1909). Containing also the general ordinances of Indianapolis since revision of 1904 and prior to January 1, 1910, also an index to the penal ordinances in revision of 1904. Collated and annotated by L. A. COX and J. F. COWERN. Indianapolis: Sentinel Printing Co., 1910. 776 pp.

Kansas City, Mo. Charter and revised ordinances of Kansas City, 1909. Compiled, arranged, annotated and indexed by REES TURPIN, GEORGE KINGSLEY, and C. L. SHANNON. Kansas City: Frank T. Riley Publishing Co., 1909. 1007 pp.

Louisville, Ky. Ninth biennial compilation of general ordinances of the city of Louisville, including the act entitled An act for the government of cities of the first class. Louisville: Courier-Journal Job Printing Co., 1911. 1000 pp.

Milwaukee, Wis. The general ordinances of the city of Milwaukee, to September 1, 1905, with amendments thereto and an appendix compiled and codified by CARL RUNGE, city attorney. Milwaukee: Edward Keogh Press, 1906. 762 pp.

Minneapolis, Minn. Minneapolis city charter and ordinances. Court and board acts, park ordinances, rules of city council, etc. Published by authority of the city council of the city of Minneapolis. Compiled by FRANK HEALY, L. A. LYDIARD, W. H. MORSE, and H. N. KNOTT. Minneapolis, 1905. 1287 pp.

Nashville, Tenn. Digest of the ordinances of the city of Nashville, to which are prefixed the state laws incorporating and relating to said city, with an appendix containing various grants, contracts and franchises. Compiled by HILL MCALISTER and E. J. SMITH. Nashville: Brandon Printing Co., 1908. 1284 pp.

New Bedford, Mass. Ordinances and rules and orders of the city of New Bedford, together with the city charter and amendments thereto, and special statutes and other matter affecting the city. New Bedford: E. Anthony and Sons, 1896. 405 pp.

Supplement to the ordinances of the city of New Bedford containing all ordinances passed in 1896 to January 1, 1904. New Bedford: Mercury Publishing Co., 1904. 41 pp.

Additional ordinances passed since issue of the volume entitled Charter and ordinances, 1896–1904. By the city council. New Bedford: E. Anthony and Sons, 1912. 108 pp.

New York City. Code of ordinances of the city of New York, and the sanitary code, the building code, the park regulations, with addenda of all amendments to January 1, 1913; and regulations of municipal explosives' commission, adopted January 3, 1912, as amended to January 1, 1913. Compiled and annotated by A. F. COSBY. New York: Banks Law Publishing Co., 1913. 511 pp.

Oakland, Cal. General municipal ordinances of the city of Oakland, in effect November 1, 1909. Oakland: Oakland Enquirer Publishing Co., 1909. 253, 17, 28 pp.

Pawtucket, R. I. General ordinances of the city of Pawtucket, revision of 1910. Pawtucket: John W. Little and Co., 1910. 200 pp.

Peoria, Ill. Revised ordinances of the city of Peoria. Peoria: Brown-Williams Printing Co., 1910. xix, 872 pp.

Philadelphia. A digest of laws and ordinances concerning Philadelphia, with notes and decisions and city solicitor's opinions relating thereto, 1701–1904. Compiled by W. F. BROWN, assisted by I. J. WILLIAMS. Philadelphia: J. L. H. Bayne, 1905. 1816 pp.

Supplement to the digest of laws and ordinances concerning Philadelphia, 1905–1910. Compiled by W. F. BROWN, assisted by G. A. WELSH. Philadelphia: The Compiler, 1910. 1385–1716 pp.

Pittsburgh. A digest of the acts of assembly relating to, and the general ordinances of the city of Pittsburgh from 1804 to November 12, 1908, with references to decisions thereon. Prepared under resolution of councils by R. T. MCELROY. Supplement and index prepared by J. D. EVANS. Pittsburgh: Press of Market Review Publishing Co., 1908. 1149 pp.

Portland, Ore. Charter and general ordinances of the city of Portland in force April 15, 1910. Portland: Dunham Printing Co., 1910. 1362 pp.

Providence, R. I. General ordinances of the city of Providence and the rules of the board of aldermen as revised in the year 1899. Providence: Providence Press, 1900. 370 pp.

Supplement no. 1 (December, 1899–January, 1901), 1902. 64 pp.

Supplement no. 2 (January 7, 1901–January 6, 1902), 1902. 103 pp.

Supplement no. 3 (January 6, 1902–January 5, 1903), 1903. 76 pp. Providence: Providence Press.

Richmond, Va. The charter and the general ordinances of the city of Richmond. Compiled by the city attorney by authority. Richmond: Capitol Printing Co., 1910. 748 pp.
This is known as the Richmond City Code.

St. Louis. The revised code of St. Louis, 1912 (general ordinances), by E. R. ROMBAUER. St. Louis: Woodward and Tiernan Co., 1913. 1285 pp.

St. Paul, Minn. Compiled ordinances of the city of St. Paul. Compiled under the direction of J. C. MICHAEL, corporation attorney, by H. D. FRANKEL. Corrected and revised to January 1, 1906. St. Paul: Review Publishing Co., 1908. 1245 pp.

Salt Lake City, Utah. Revised ordinances of Salt Lake City, including all ordinances of a general nature in force December 11, 1903, and all franchises and special grants. Revised, compiled and arranged by G. L. NYE, city attorney. Salt Lake City: The Deseret News, 1904. xxxi, 616 pp.

San Francisco. General ordinances of the board of supervisors of the city and county of San Francisco. In effect May 1, 1910. San Francisco: Press of the James H. Barry Co., 1910. 807 pp.

Scranton, Pa. A digest of the laws and ordinances of the city of Scranton. Compiled by D. J. DAVIS, city solicitor, and H. R. VAN DEUSEN, assistant city solicitor. Published by authority. Scranton: Boyer Printing Co., 1907. 541 pp.

Seattle, Wash. The charter of the city of Seattle, adopted at the general election March 3, 1896, as amended in 1900, 1902, 1904, 1906, 1908, 1910 and 1911, and the general ordinances, 1889–1907. Published by authority of the

city of Seattle. Seattle: Lowman and Hanford Co., 1911. 110, 91–965 pp.

Somerville, Mass. Revised ordinances of 1911. Somerville Journal, April 20, 1911, pp. 11–20.

Spokane, Wash. Municipal code of the city of Spokane, together with the charter and amendments, rules of the city council and list of franchise ordinances. Revised, compiled, and codified by E. O. CONNOR. Spokane: Inland Printing Co., 1903. 630 pp.

Springfield, Mass. The revised ordinances of the city of Springfield, approved December 21, 1904, with the city charter, amendments, special statutes, rules and orders for the regulation of hackney carriages, street musicians, and public amusements, rules and orders of the board of aldermen and of the common council, and the joint rules and orders of the city council. Springfield: Springfield Printing and Binding Co., 1905. 335 pp.

Syracuse, N. Y. Ordinances of the city of Syracuse, as amended July 1, 1907. Syracuse, 1907. 62 pp.

Tacoma, Wash. Charter and general ordinances in force June 1, 1913. Tacoma, 1913. 579 pp.

Woburn, Mass. Revised ordinances of 1906. Woburn, 1906. 156 pp.

Yonkers, N. Y. Second class cities' laws, supplemental charter and code of ordinances. Yonkers, 1912. 896 pp.

SECTION XVIII. CITY DOCUMENTS, MANUALS, AND REGISTERS[1]

1. CITY DOCUMENTS

Albany, N. Y. Common Council. Proceedings, 1869–. Albany, 1870–.

Published annually in one volume from 1869–1896; from 1897 to the present, published in two volumes, vol. ii consisting of the reports of city officers.

[1] The array of publications which come under this heading is so large that only a very small part of it can be listed here. The purpose of this section is to indicate the usual form in which various cities issue their annual reports and to suggest the scope of a small working collection of these materials for student use.

Baltimore. Mayor's message and reports of city officers. 1857–. Baltimore, 1860–.

Boston.

City Council. City documents. 1835–. Boston, 1836–.

Executive Department. Annual reports. 1890–. Boston, 1891–.

Consists of the address of the mayor and annual reports of departments responsible to him.

Cleveland. Annual reports of the various departments of government. 1874–. Cleveland, 1875–.

Columbus, Ohio. Annual reports of the various departments, together with a financial statement of the receipts and disbursements, etc. 1874–. Columbus, 1875–.

Detroit. Annual reports of the several municipal commissions, boards and officers of the city of Detroit. 1869/70–. Detroit, 1871–.

Hartford, Conn. Municipal register and city yearbook and the annual reports. 1880–. Hartford, 1881–.

From 1859–1879 the publication was called Mayor's address and city government, and the annual reports of the several departments.

Indianapolis, Ind. Mayor. Annual message; with the annual reports of the heads of departments. 1891–. Indianapolis, 1892–.

Louisville, Ky. Annual reports. 1871–. Louisville, 1872–.

Lowell, Mass. City documents. 1862–. Lowell, 1863–.

Milwaukee, Wis. Department reports. 1868–. Milwaukee, 1869–.

Minneapolis, Minn. Annual reports of the various city officers of the city of Minneapolis. 1875–. Minneapolis, 1876–.

New Haven, Conn. City year book. No. 1, 1860. New Haven, 1861–.

Philadelphia. Mayor. Annual message of the mayor with accompanying documents. 1855–. Philadelphia, 1856–.

Pittsburgh. Annual reports of the executive departments. 1909/10–. Pittsburgh, 1910–.

Portland, Ore. Mayor's message and municipal reports. 1894–. Portland, 1895–.

Richmond, Va. Mayor. Annual message and accompanying documents of the mayor to the city council. 1891–. Richmond, 1892–.

St. Louis. Mayor's message with accompanying documents. 1859–. St. Louis, 1860–.

St. Paul, Minn. Annual reports of the city officers. 1885–. St. Paul, 1886–.

Salt Lake City, Utah. The annual message of the mayor with the annual reports of the city officers of Salt Lake City. 1890–. Salt Lake City, 1891–.

San Francisco. Board of Supervisors. San Francisco municipal reports. 1859/60–. San Francisco, 1860–.

Savannah, Ga. Report of the mayor, together with the reports of the city officers. 1854–. Savannah, 1855–.

Worcester, Mass. City documents. No. 1, 1848. Worcester, 1849–.

2. Manuals and Registers

Nearly all cities issue annual publications of this sort. In the larger cities the titles are as follows:

Baltimore. Municipal hand-book.

Boston. Municipal register: organization of the city government of Boston.

Chicago. Chicago city manual.

Detroit. Municipal manual and official directory of the city of Detroit.

New York City. Municipal year book of the city of New York.

Philadelphia. Manual of the city councils.

Pittsburgh. Municipal year book of the city of Pittsburgh.

SECTION XIX. THE MAYOR

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
The mayor, p. 152.

Munro, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. ix (pp. 207–236), The mayor. References, p. 236.

2. General Discussions

Beard, C. A. American city government; a survey of newer tendencies. New York, 1912. 420 pp.
Ch. iv (pp. 88–128), Municipal government and administration.

Bishop, J. T. The bürgermeister, Germany's chief municipal magistrate. American Political Science Review, ii, pp. 396–410 (May, 1908).

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.
Ch. xix (pp. 411–421), The duties and powers of mayor in European and American cities.

Goodnow, F. J. City government in the United States. New York, 1904. 315 pp.
Ch. viii (pp. 176–203), The city executive.

——. Municipal problems. New York, 1907. 321 pp.
Ch. x (pp. 247–281), The city executive.

Hatton, A. R. Digest of city charters. Chicago, 1906. 351 pp.
The city executive, the mayor. Qualifications, manner of election, term and salary, etc., pp. 246–272.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Mayor and executive power in American cities, ii, pp. 411–415; references, p. 415. Mayor in European cities, ii, pp. 415–416; references, p. 416.

Munro, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. ix (pp. 207–236), The mayor.

——. The office of mayor in France. Political Science Quarterly, xxii, pp. 645–662 (December, 1907).

Whitlock, Brand. Forty years of it. New York, 1914. 373 pp.

Section XX. The City Council

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Councils and boards of aldermen, p. 57.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. viii (pp. 180–206), The city council. References, p. 206.

2. GENERAL DISCUSSIONS

FAIRLIE, J. A. Municipal administration. New York, 1906. 448 pp.
Ch. xvii (pp. 375–398), The American municipal council.

——. American municipal councils. Political Science Quarterly, xix, pp. 234–251 (June, 1904).

GOODNOW, F. J. Comparative administrative law. Two vols. in one. New York, 1903. 338, 327 pp.
The American municipal council, i, pp. 213–215.

——. Municipal problems. New York, 1904. 321 pp.
Ch. ix (pp. 215–246), The city council.

——. City government in the United States. New York, 1904. 315 pp.
Ch. vii (pp. 215–246), The city council — organization, powers, etc.

——. Municipal government. New York, 1909. 401 pp.
Ch. x (pp. 248–261), City council.

HOAG, C. G. The representative council plan of city government. Haverford, 1913. 12 pp. (American Proportional Representation League. Pamphlet no. 2 (April, 1913).)

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Municipal council, i, pp. 486–487. References, p. 487.

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. viii (pp. 180–206), The city council.

SMITH, E. B. Essays and addresses. Chicago, 1909. 376 pp.
Ch. ii (pp. 31–47), Council reform in Chicago.

3. POWERS AND PROCEDURE

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
See index under Council.

HATTON, A. R. Digest of city charters. Chicago, 1906. 351 pp.
The organization and powers of city councils, pp. 74–245.

MCQUILLIN, EUGENE. Treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
Meetings and proceedings of council or governing legislative body, ii, ch. xiii (pp. 1260–1356).

4. CITY COUNCILS ABROAD

DAWSON, W. H. Municipal life and government in Germany. London, 1914. 507 pp.
Ch. iii (pp. 58–80), Constitution of town councils; ch. iv (pp. 81–122), Distribution of administrative powers — town councils, executive and mayor.

DEMING, H. E. The government of American cities. New York, 1909. 323 pp.
Ch. ii (pp. 13–25), The English municipal system.

HOWE, F. C. The British city. New York, 1907. 370 pp.
Ch. iii (pp. 24–39), The town council in Great Britain.

MUNRO, W. B. The government of European cities. New York, 1909. 409 pp.
See index under Council.

REDLICH, JOSEF, and HIRST, F. W. Local government in England. 2 vols. London, 1903.
Vol. i, Bk. 2, Pt. I, ch. iii (pp. 253–263), The town council, or the representatives of the burgesses in England; ch. vi (pp. 302–353), The inner organization of town councils. Vol. ii, Bk. 2, Pt. III, ch. i–ii (pp. 118–160), Urban and rural district councils in England.

SECTION XXI. COMMISSION GOVERNMENT

1. LISTS OF REFERENCES

BEARD, C. A., editor. A loose leaf digest of short ballot charters; a documentary history of the commission form of municipal government. New York, 1911.
Bibliography, pp. 81101, 81201, 81301, 81401, 81501.

BRADFORD, E. S. Commission government in American cities. New York, 1911. 359 pp.
List of references, pp. 339–353.

——. A comparison of the forms of commission government in cities. Philadelphia, 1910. 37 pp.
Commission-governed cities having the initiative, referendum and recall, p. 31; list of commission cities, with date of charter, statistics of population, etc., revised to December 31, 1910, pp. 36–38. For list revised to October 1, 1913, see pamphlet issued by the Civic Government League of Edmonton, Canada, November, 1913.

HOWARD, G. E. Present political questions. An analytical reference syllabus. Lincoln, 1913. 184 pp. (Publication of the University of Nebraska.)
Commission government, pp. 116–117, 178–184.

Indiana. State Library. List of references on municipal government by commission. Bulletin, v, no. 5 and 6, pp. 4–14 (November, 1910).

Kansas City, Mo. Public Library. A reading list on commission government. Kansas City, 1913. 12 pp. (Special library list no. 6.)

LYTTON, E. C., compiler. The Des Moines plan of commission government, digest and references. Des Moines, 1912. 45 pp.
List of references to some of the best articles written on the Des Moines plan of commission government, pp. 37, 39–42.

MACGREGOR, F. H. City government by commission. Madison, 1911. 151 pp. (Bulletin of the University of Wisconsin, no. 423; university extension series, i, no. 4.)
Bibliography, pp. 134–151.

PEARSON, P. M., and NICHOLS, E. R., editors. Intercollegiate debates. 4 vols. New York, 1909–1914.
The commission system of municipal government, i, ch. xxiv (pp. 461–477), ii, ch. viii (pp. 361–401).

ROBBINS, E. C. The high school debate book. Chicago, 1912. 229 pp.
Commission form of municipal government, briefs and bibliography, pp. 57–64.

——, compiler. Selected articles on the commission plan of municipal government. 2d edition. Minneapolis, 1910. 178 pp. (Debaters' Handbook series.)
Bibliography, pp. xv–xxvi.

Seattle, Wash. Public Library. Municipal government: a list of books and references to periodicals in the Seattle Public Library. Seattle, 1911. 31 pp. (Reference list no. 4.)
Commission plan, pp. 18–19.

United States. Library of Congress. Division of Bibliography. Select list of references on commission government for cities. Compiled under the direction of H. H. B. MEYER, chief bibliographer. Washington, 1913. 70 pp.
The best list yet published.

University of North Dakota. Brief and bibliography on commission plan of city government. Grand Forks, 1910. 8 pp. (Circular, new series, no. 3, 1910.)

University of Texas. Department of Extension. Public Discussion and Information Division. The commission form of city government. Austin, 1910. 7 pp. (Bulletin of the University of Texas, no. 158; extension series no. 7.)

University of Wisconsin. University Extension Division. Department of Debating and Public Discussion. Commission plan of city government. 3d revision. Madison, 1911. 12 pp. (Bulletin of the University of Wisconsin, serial no. 460; general series no. 297.)

WOODRUFF, C. R. New form of city charters; the commission system. American Year Book, 1910, pp. 218–220. New York, 1910. 867 pp.
Bibliography, p. 224.

——, editor. City government by commission. New York, 1911. 381 pp. (National Municipal League series.)
Bibliography (by F. H. MacGregor), pp. 355–369.

2. GENERAL DISCUSSIONS AND SELECTED READINGS

American Academy of Political and Social Science. Commission government in American cities. Annals, xxxviii, no. 3 (November, 1911). Philadelphia, 1911. 300 pp.

——. Commission government and the city manager plan. Annals. Philadelphia, 1914. 279 pp.
A revision of the preceding item. Contains many useful discussions on all branches of the subject.

BRADFORD, E. S. Commission government in American cities. New York, 1911. 359 pp.
List of references, pp. 339–353.

MACGREGOR, F. H. City government by commission. Madison, 1911. 151 pp. (Bulletin of the University of Wisconsin, no. 423; university extension series, i, no. 4.)
Bibliography, pp. 134–151.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Commission system of city government, i, pp. 344–350. References, p. 350.

MOWRY, D. E. The various forms of commission government. Central Law Journal, lxx, pp. 384–388 (May 27, 1910).

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.
Ch. xii (pp. 294–320), City government by a commission.

National Municipal League. The commission plan and commission manager plan of municipal government, an analytical study by a committee of the National Municipal League. Philadelphia, 1914. 24 pp.

ROBBINS, E. C., compiler. Selected articles on the commission plan of municipal government. 2d edition. Minneapolis, 1910. xxvi, 178 pp. (Debaters' Handbook series.)
Bibliography, pp. xv–xxvi.

SHAMBAUGH, B. F. The commission plan of city government. Papers and proceedings, Minnesota Academy of Social Science, 1910, pp. 150–165.

WICKETT, S. M. City government by commission. Hamilton (Ontario), 1912. 18 pp.
The abstract of an address before the Canadian Club of Hamilton, November, 1912. Reprinted from the Proceedings.

WOODRUFF, C. R., editor. City government by commission. New York, 1911. 381 pp. (National Municipal League series.)
Bibliography (by F. H. MacGregor), pp. 355–369.

3. Commission Government Charters

Beard, C. A., editor. A loose leaf digest of short ballot charters; a documentary history of the commission form of municipal government. New York, 1911.

Bibliography, pp. 81101, 81201, 81301, 81401, 81501.

James, H. G. Applied city government. New York, 1914. 106 pp.

Contains general discussions followed by model charter provisions.

Matthews, Nathan. Municipal charters. Cambridge, 1914. 210 pp. (Harvard University. Bureau for Research in Municipal Government. Publication no. 1.)

Contains draft of a model commission charter.

4. Charters of some Representative Commission-Governed Cities

(*a*) *Population, 300,000 and over*

Buffalo. Laws of New York, 1914. Ch. 217. An act to provide a charter for the city of Buffalo. (Separately printed.) Buffalo, 1914. 136 pp.

New Orleans, La. Louisiana. Laws, 1912. Act no. 159. Senate bill no. 206. An act to incorporate the city of New Orleans; to provide a commission form of government for the administration of the affairs of the city. (Separately printed.) New Orleans, 1912. 46 pp.

(*b*) *200,000–300,000*

Denver, Colo. Charter of the city and county of Denver, framed by the second charter convention, February 6, 1904. Adopted by vote of the people, March 29, 1904, and all amendments thereof to and including February 17, 1914. Containing also article xx of the constitution of the state of Colorado with amendment to section vi thereof. Revised and brought down to February 17, 1914. Denver: Smith-Brooks Printing Co., 1914. 225 pp.

Jersey City, N. J. New Jersey Laws, 1911. Ch. 221. An act relating to, regulating and providing for the government

of cities, towns, boroughs, and other municipalities in this state. Approved April 25, 1911. (Separately printed.) Trenton: MacCrellish and Quigley, 1911. 23 pp.

New Jersey Laws, 1913. Special session. Ch. 22. Amendment to the act for the government of cities. (Separately printed.) Trenton: MacCrellish and Quigley, 1913. 12 pp.

Portland, Ore. Charter of the city of Portland in effect July 1, 1913, as revised by the council August 19, 1914. Portland: J. R. Rogers Press, 1914. 156 pp.

St. Paul, Minn. Charter of the city of St. Paul as adopted in 1900 and amended in 1904, 1906, 1908, 1910, 1912. St. Paul: Review Publishing Co., 1913. 148 pp.

(c) 150,000–200,000

Oakland, Cal. The charter of the city of Oakland. Prepared and proposed by the board of freeholders, elected July 6, 1910. Oakland: Borland-Nilson Press, 1911. 112 pp.

(d) 100,000–150,000

Birmingham, Ala. Alabama. General Laws, 1911. No. 163. House bill no. 112. An act of the legislature of Alabama creating a commission form of government under which the city of Birmingham is now organized. In effect March 31, 1911. (Separately printed.) Montgomery: Brown Printing Co., 1911. 22 pp.

Lowell, Mass. Amendment to the charter of the city of Lowell, Massachusetts. Acts and resolves, 1911, ch. 645. Published by the charter revision committee. Lowell, 1911. 28 pp.

Memphis, Tenn. Tennessee. Laws, 1909. Ch. 298. Senate bill no. 574. An amendment to the charter of the city of Memphis, 1909. (Separately printed.) Memphis: Paul and Douglas Co., 1909. 26 pp.

Omaha, Nebr. Nebraska. Laws, 1911. Ch. 24, pp. 150–171. Commission plan of city government. (Separately printed.) Omaha, 1911. 15 pp.

Spokane, Wash. Charter of the city of Spokane, adopted December 28, 1911. Published by authority of the commissioners of the city of Spokane, 1911. 40 pp.

(*e*) *50,000–100,000*

Dallas, Texas. Charter of the city of Dallas, 1907, including amendments of 1909. Dallas, 1910. 141 pp.

Des Moines, Iowa. The Des Moines plan of commission government. Adopted by the city of Des Moines at a special election held June 30, 1907. Published by authority of the city council. Des Moines, 1912. 45 pp.

Duluth, Minn. Charter for the city of Duluth. Adopted December 3, 1912. Duluth: Greer Printing Co., 1912. 46 pp.

Houston, Texas. Charter of the city of Houston and general ordinances passed by the city council from October 31, 1904, to and including October 31, 1910. Published by authority of the city council of Houston, to supplement the code of ordinances of 1904. Houston: W. H. Coyle and Co., 1910. 326, 23 pp.

Lawrence, Mass. Massachusetts. Laws, 1911. Ch. 621. An act to revise the charter of the city of Lawrence. (Separately printed.) Lawrence, 1911. 23 pp.

Two plans were offered to the voters. The second plan was adopted November 7, 1911.

(*f*) *Less than 50,000*

Galveston, Texas. Charter of the city of Galveston as passed by the 28th legislature of the state of Texas and approved by the governor, March 30, 1903, and amendments thereto passed by the 29th and 30th legislatures. Galveston: F. J. Finck Stationery and Printing Co., 1907. 90, xxxix pp.

Grand Junction, Colo. The charter of the city of Grand Junction. Framed by the charter convention, August 6, 1909. Grand Junction: Merrill Printing Co., 1909. 48 pp.

5. The Practical Operation of the Commission Plan

American Academy of Political and Social Science. Commission government and the city manager plan. Annals. Philadelphia, 1914. 279 pp.
Results of commission government in typical cities, pp. 221–273.

Bradford, E. S. Commission government and city planning. American City, vii, pp. 113–116 (August, 1912).

——. Financial results under the commission form of city government. National Municipal Review, i, pp. 372–377 (July, 1912).

Bruère, Henry. The new city government: a discussion of municipal administration, based on a survey of ten commission governed cities. New York, 1912. 438 pp.
Gives facts and results learned from a survey made in August and September, 1911.

Carlson, S. A. Simplified city government. American City, iv, pp. 34–36 (January, 1911).

Carpenter, D. F. Some defects of commission government. Annals of the American Academy of Political and Social Science, xxxviii, pp. 862–870 (November, 1911).

Childs, R. S. The story of the short ballot cities. An explanation of the success of the commission form of municipal government. Revised edition. New York, 1914. 20 pp.
List of 298 commission-governed cities, pp. 2–5.

——. Will commission government succeed in large cities? American City, iv, pp. 79–82 (February, 1911).

Conard, Grant. What has been accomplished in 100 days under commission government, San Diego, Cal. City Hall, xi, pp. 91–93 (September, 1909).

Donnelly, F. W. Securing efficient administration under the commission plan. Annals of the American Academy of Political and Social Science, xli, pp. 218–232 (May, 1912).

Goodyear, Demont. The experience of Haverhill. Independent, lxviii, pp. 415–416 (February 24, 1910).

Guthrie, G. W. Some ideas on American city government. City Hall, xi, pp. 328–335 (May, 1910).

HAMILTON, J. J. Government by commission; or, The dethronement of the city boss; being a study of the commission plan as begun in Galveston, developed and extended in Des Moines, and already taken up in many other cities, east and west. 3d edition. New York, 1911. 285 pp.

Published in 1910 under title: The dethronement of the city boss.

HORN, P. W. City schools under the commission form of city government. Educational Review, xxxvii, pp. 362–374 (April, 1909).

HUSTON, C. D. Cedar Rapids under the commission plan. Municipal Engineering, xxxvi, pp. 17–21 (January, 1909).

From a paper read before the League of American Municipalities.

MCFARLAND, J. H. The relation of the commission form of government to public improvements. American City, v, pp. 36–39 (July, 1911).

MATHIS, A. J. Eighteen months' trial of the Des Moines plan. City Hall, xi, pp. 166–173 (November, 1909).

MUNRO, W. B. Ten years of commission government. National Municipal Review, i, pp. 562–568 (October, 1912).

NICHOLS, G. M. The commission government of Haverhill, Massachusetts. Twentieth Century Magazine, iii, pp. 222–229 (December, 1910).

O'DONNELL, J. E. Lowell's experience under commission government. Proceedings, League of American Municipalities, 1912.

POWERS, LE GRAND. Budget provisions in commission-governed cities. Annals of the American Academy of Political and Social Science, xxxviii, pp. 798–807 (November, 1911).

SHAMBAUGH, B. F. The Des Moines plan of city government. Proceedings, American Political Science Association, iv, pp. 189–192 (1907).

SPARKS, F. M., compiler. Facts and figures from three cities: Des Moines, Iowa; Grand Rapids, Mich.; Galveston, Texas. City Hall, xi, pp. 233–234 (January, 1910).

WOODRUFF, C. R. Socialists and the commission form of government. National Municipal Review, ii, pp. 132–134 (January, 1913).

Nominations for office under the commission plan of municipal government. Municipal Engineering, xxxviii, pp. 105–107 (February, 1910).

The relation of charter forms to municipal improvements. Are commission-governed cities making more real progress than those under other forms of charter? American City, vi, pp. 647–650 (April, 1912).

For lists of cities under commission government, see the annual issues of the American Year Book and the World Almanac.

SECTION XXII. THE CITY MANAGER PLAN

1. Lists of References

Los Angeles, Cal. Municipal League. List of references on the city manager plan. Bulletin, June-July, 1912, p. 12.

National Short Ballot Organization. The city manager plan of municipal government. New York, 1913. 35 pp. (Reprinted from A loose leaf digest of short ballot charters, edited by C. A. Beard. New York, 1911.)

Bibliography, p. 35.

University of Washington. Bibliography. The city manager plan. University Extension Journal, i, pp. 81–82 (April, 1914).

2. General Discussions

American Academy of Political and Social Science. Commission government and the city–manager plan. Annals. Philadelphia, 1914. 279 pp.

Ashburner, C. E. City manager government. Its origin at Staunton, Va.; the Staunton ordinance; arguments in its favor. Municipal Journal, xxxvi, pp. 278–279 (February, 26, 1914).

Baker, Frederick. Commission plan vs. municipal business manager plan. Pacific Municipalities, xxvii, pp. 681–693 (December, 1913).

Bradford, E. S. Commission form versus city manager plan. A word of caution. American City, x, pp. 37–38 (January, 1914).

CHILDS, R. S. Theory of the new controlled executive plan. National Municipal Review, ii, pp. 76–81 (January, 1913).

Dayton, Ohio. Bureau of Municipal Research. A charter primer. By L. D. UPSON. Dayton, 1914. 24 pp.

GILBERTSON, H. S. Public administration: a new profession. Review of Reviews, xlvii, pp. 599–602 (May, 1913).

——. City manager plan no novelty. American City, x, pp. 39–40 (January, 1914).

——. The city manager plan. Its contribution to the growth of a non-political and efficient personnel in municipal administration. Proceedings, National Civil Service Reform League, 1913, pp. 127–138.

HOAG, C. G. The representative council plan of city charter. Haverford, 1913. 11 pp. (American Proportional Representation League. Pamphlet no. 1 (January, 1913).)

HOLSINGER, S. D. General manager plan of government of Staunton, Va. Staunton, 1914. 12 pp.

JAMES, H. G. The city manager plan, the latest in American city government. American Political Science Review, viii, pp. 602–613 (November, 1914).

National Municipal League. The coming of the city manager plan. National Municipal Review, iii, pp. 44–48 (January, 1914).

Printed also in Pacific Municipalities, xxviii, pp. 257–260 (May, 1914).

——. The commission plan and commission manager plan of municipal government; an analytical study by a committee of the National Municipal League. Philadelphia, 1914. 24 pp.

National Short Ballot Organization. The city manager plan of municipal government. New York, 1913. 35 pp. (Reprinted from A loose leaf digest of short ballot charters, edited by C. A. Beard. New York, 1911.)

Bibliography, p. 35.

——. The Short Ballot Bulletin. Vol. i, 1911. New York. Issued bi-monthly.

Notes in each issue the progress of the city manager plan.

RIDDLE, KENYON. The town manager as city engineer. American City, ix, pp. 523–525 (December, 1913).

RINKLIFF, G. L. Springfield's new government. Municipal Journal and Engineer, xxxv, pp. 379–380 (September 18, 1913).

SILVERNAIL, F. D. The Lockport proposal. Annals of the American Academy of Political and Social Science, xxxviii, pp. 884–887 (November, 1911).

THOMPSON, C. D. The vital points in charter-making from a socialist point of view. National Municipal Review, ii, pp. 416–426 (July, 1913).

TOULMIN, H. A., Jr. The city manager. New York, 1915. 310 pp. (National Municipal League series.)

UPSON, L. D. The city manager plan of government for Dayton. National Municipal Review, ii, pp. 639–644 (October, 1913).

WAITE, H. M. The city manager form of municipal government. Engineering News, lxxi, pp. 101–102 (January 8, 1914).

——. Business management for cities. Engineering Record, lxix, pp. 279–280 (March 7, 1914).

See also the American City, xi, pp. 11–13 (July, 1914).

——. The commission manager plan. National Municipal Review, iv, pp. 40–49 (January, 1915).

City manager plan. Outlook, civ, pp. 887–889 (August 23, 1913).

Dayton's unique charter. Literary Digest, xlvii, p. 308 (August 30, 1913).

See also Commission Government.

3. CITY-MANAGER PLAN CHARTERS

Amarillo, Texas. Charter of the city of Amarillo, adopted November 18, 1914, embodying commission form of government under city manager plan. Amarillo, 1914. 25 pp.

Dayton, Ohio. Charter for the city of Dayton. Prepared and proposed by the charter commission. Reprinted for the Bureau of Municipal Research, Dayton. Dayton: General Printing Co., 1913. 63 pp.

Elyria, Ohio. Charter for the city of Elyria. Prepared and proposed by the charter commission. Adopted July 15, 1913. Elyria, 1913. 40 pp.

Springfield, Ohio. Charter of the city of Springfield, Ohio. Springfield: Winkler Printer, 1913. 36 pp.

Youngstown, Ohio. Charter adopted July 22, 1913. Youngstown: Youngstown Printing Co., 1913. 80 pp.

SECTION XXIII. MUNICIPAL CIVIL SERVICE REFORM

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Civil service, pp. 52–53.

Griffin, A. P. C. List of references on civil service. United States Civil Service Commission, Report, 1904, pp. 133–153.

Kaiser, J. B. Some references to civil service reform. Special Libraries, ii, pp. 51–52 (May, 1911).

New York. Civil Service Reform Association. Women's Auxiliary. A bibliography of civil service reform. 3d edition. New York, 1913. 72 pp.
A pamphlet containing full lists of material on civil-service reform and allied subjects.

Civil service bibliography. Chautauquan, xlii, pp. 383–384 (December, 1905).

2. General Discussions

Addams, Jane. The humanitarian value of civil service. Survey, xxviii, pp. 195–198 (April 6, 1912).

Bonaparte, C. J. Municipal civil service reform. National Municipal Review, i, pp. 252–257 (April, 1912).

——. Partisan politics in municipal government. Proceedings, National Civil Service Reform League, 1911, pp. 103–111.

Chicago. Civil Service Commission. Civil service text book, 1910–1911. Chicago, 1911. 138 pp.
Contains much material of general interest on methods of procedure, standards of examination, and includes several examples of examination papers.

DANA, R. H. The merit principle in the selection of higher municipal officers. Cambridge, 1904. 9 pp. (Good Government League of Cambridge. Bulletin no. 1.)
A paper read at the annual meeting of the National Civil Service Reform League at Baltimore, December 10, 1903.

——. Taking municipal contracts out of politics. Proceedings, National Municipal League, 1909, pp. 179–195.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
Municipal civil service, i, pp. 684–695.

DOYLE, J. F. Civil service reform progress. National Municipal Review, i, pp. 654–658 (October, 1912).

DRAPER, A. S. Appointing officers and civil service regulations. New York, 1906. 24 pp.
A pamphlet issued by the Civil Service Reform Association of New York.

ELIOT, C. W. American contributions to civilization and other essays and addresses. New York, 1897. 387 pp.
One remedy for municipal misgovernment, pp. 171–199.

——, and others. Promotion through the merit system. Proceedings, National Civil Service Reform League, 1909, pp. 166–172.

FAIRLIE, J. A. The relation of civil service reform to municipal administration. *Ibid.*, 1905, pp. 140–148.

FISH, C. R. The civil service and the patronage. New York, 1905. 280 pp. (Harvard Historical Studies, xi.)
An excellent work on civil-service reform in state and nation; but contains very little with reference to cities.

FOLKS, HOMER. Some phases of the practical working of the competitive examination system. Proceedings, National Civil Service Reform League, 1903, pp. 172–179.

FOULKE, W. D. The reasons for civil service reform. New York, 1904. 15 pp. (Published for the National Civil Service Reform League.)

GOODWIN, E. H. Civil service provisions in commission charters. Annals of the American Academy of Political and Social Science, xxxviii, pp. 808–815 (September, 1912).

GOODWIN, E. H. A civil service law for commission cities. In A loose leaf digest of short ballot charters, edited by C. A. Beard, pp. 21601–21603. New York, 1911.

——. Draft of a civil service law for cities. Proceedings, National Municipal League, 1910, pp. 577–580.

——. Effective civil service law in cities. *Ibid.*, 1910, pp. 304–316.

GREGORY, C. N. Civil service reform in American municipalities. Iowa City, 1905. 18 pp. (Reprinted from Iowa Journal of History and Politics, v, pp. 41–56 (January, 1905).)

LOWELL, A. L. Municipal experts. Proceedings, National Municipal League, 1908, pp. 215–222.

See also National Municipal Review, iv, pp. 26–31 (January 1915).

——. Public opinion and popular government. New York, 1913. 415 pp.

Ch. xviii (pp. 278–288), Experts in municipal government; ch. xix (pp. 289–303), The control and recruiting of experts.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Municipal civil service laws, i, p. 287. Removal of public officials, iii, pp. 177–180; references, p. 180.

MOSES, ROBERT. The civil service of Great Britain. New York, 1914. 324 pp. (Columbia University Studies in History, Economics and Public Law, lvii, no. 1.)

MUNRO, W. B. The government of American cities. New York, 1912. 401 pp.

Ch. xi (pp. 265–293), Municipal officials and employees. List of references, pp. 292–293.

National Assembly of Civil Service Commissions. Model civil service law; embodying the essential principles of a practical merit system of public employment. Chicago, 1914. 15 pp.

National Civil Service Reform League. Higher municipal appointive officers and the merit system. Reports of a committee. Proceedings, 1906, pp. 86–96; 1908, pp. 100–110; 1910, pp. 145–154; 1912, pp. 127–132.

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.
Ch. xi (pp. 216–224), The selection of city officers and employees.

ROODE, A. DE. Civil service reform in municipalities. American City, iv, pp. 20–22 (January, 1911).

United States. Civil Service Commission. Recent progress of the merit system in states and cities. Annual report, 1911, pp. 158–162.

WOODRUFF, C. R. The merit system in municipalities. Boston, 1902. 14 pp. (Massachusetts Civil Service Reform Association. Women's Auxiliary. Doc. no. 6.)

3. CIVIL SERVICE REFORM IN INDIVIDUAL AMERICAN CITIES

Baltimore. BRUCE, A. C. The Baltimore charter commission and the merit system. Proceedings, National Civil Service Reform League, 1910, pp. 155–162.

Boston. MOORS, J. F. The Boston plan; appointments by the mayor subject to the approval of the civil service commission. *Ibid.*, 1910, pp. 176–184.

Chicago.

CATHERWOOD, ROBERT. Efficiency in city government; an account of the new development of civil service in Chicago. World To-Day, xx, pp. 327–332 (March, 1911).

——. Efficiency in the public service of Chicago. Proceedings, National Civil Service Reform League, 1909, pp. 107–118.

Denver, Colo. CHAMBERLAIN, F. J. Municipal civil service in Denver. *Ibid.*, 1905, pp. 124–126.

Kansas City, Mo. PETERS, J. W. S. The striking feature of the Kansas City civil service system. *Ibid.*, 1910, pp. 185–197.

Los Angeles, Cal. WOODRUFF, C. R. Civil service reform at Los Angeles. National Municipal Review, i, pp. 639–645 (October, 1912).

New York City.

CREELMAN, JAMES. Improvements in the administration of the merit system in New York City. Proceedings, National Civil Service Reform League, 1911, pp. 139–144.

FULD, L. F. Efficiency records in the civil service of New York City. American City, iv, pp. 115–118 (March 1911).

Philadelphia.

WALDO, F. L. The situation in Philadelphia. Proceedings, National Civil Service Reform League, 1907, pp. 160–164.

GABLE, V. F. The critical situation in Philadelphia. *Ibid.*, 1908, pp. 126–140.

WOODRUFF, C. R. The overthrow of the spoils system in Philadelphia. *Ibid.*, 1905, pp. 152–159.

Pittsburgh. WALLACE, G. R. The workings of the civil service law in Pittsburgh. *Ibid.*, 1908, pp. 141–152.

St. Louis. Civic League. The merit system in appointments to office. Report by the civil service committee of the Civic League of St. Louis. St. Louis, 1909. 23 pp.

4. PERIODICAL PUBLICATIONS AND REPORTS [1]

BELCHER, R. W. Reports of municipal civil service commissions. National Municipal Review, ii, pp. 342–346 (April, 1913).

National Civil Service Reform League. Good Government. The official organ of the National Civil Service Reform League. New York. Published monthly since 1881.

——. Proceedings. New York. Issued annually since 1882.

[1] The United States Civil Service Commission issues annual reports which are of great value on the general subject, but have no direct relation to municipal problems. The annual reports of civil service commissions in various cities, such as Chicago, New York, and Kansas City, are included in the regular city publications and are also issued separately. These often contain much useful data. Some annual reports of state commissions, notably those of New York and Massachusetts, deal to a considerable degree with the civil service system in municipalities.

SECTION XXIV. MUNICIPAL PENSION SYSTEMS[1]

1. Lists of References

DUTTON, S. T., and SNEDDEN, DAVID. The administration of public education in the United States. New York, 1912. 614 pp.

References on teachers' pensions, pp. 274–275.

NELSON, C. A. Bibliography of teachers' salaries and pensions. Educational Review, xxxiii, pp. 24–35 (January, 1907).

United States. Library of Congress. Division of Bibliography. Select list of references on old age and civil service pensions. Washington, 1903. 18 pp.

——. Select list of references on teachers' pensions. Washington. 8 pp. (typewritten).

2. General Discussions and Reports

BALDWIN, F. S. Retirement systems for municipal employees. Annals of the American Academy of Political and Social Science, xxxviii, pp. 6–14 (July, 1911).

District of Columbia. Commissioners. Police and firemen's pension funds. Letter from Commissioner J. A. Johnston, of the District of Columbia, transmitting memorandum in the matter of police and firemen's pension funds embodied in Senate bill no. 2047. Washington, 1911. 18 pp. (United States. 62d Congress, 1st session. Senate doc. 24.)

HENDERSON, C. R. Municipal pension systems and pensions for teachers. American Journal of Sociology, xiii, pp. 841–845 (May, 1908).

MASON, E. F. Municipal pensions. National Municipal Review, ii, pp. 260–264 (April, 1913).

Massachusetts. Bureau of Statistics. A special report on the cost of retirement systems for state and county employees in Massachusetts. Boston, 1911. 101 pp.

[1] This list does not include references on old age pensions and other state pensionary systems.

Massachusetts. General Court. Report of the commission on pensions. March 16, 1914. Boston, 1914. 345 pp. (Printed as House doc. 2450.)

New York City. Bureau of Municipal Research. A report on the police pension fund of the city of New York. Submitted to the aldermanic committee on police investigation. New York, 1913. 212 pp.

——. City Club. Civil pensions; a report of the committee on the civil service of the City Club of New York, on a bill introduced by Assemblyman Yale, known as Assembly bill 1194. April 7, 1905. New York, 1905. 11 pp.

——. Commissioner of Accounts. A report on the pension system of the city of New York, by J. T. MAHONEY and H. M. RICE. New York, 1913. 12 pp.

United States. Bureau of Labor. Pension funds for municipal employees and railroad pension systems in the United States. Prepared under the direction of C. P. NEILL, commissioner of labor. Washington, 1910. 89 pp. (61st Congress, 2d session. Senate doc. 427.)

Washington, D. C. Committee of One Hundred. The civil service, civil pensions in foreign countries, municipal and private systems in the United States. Washington, 1912. 68 pp.

CHAPTER IV

CITY PLANNING AND PUBLIC IMPROVEMENTS

SECTION XXV. CITY PLANNING AND MUNICIPAL ART

1. Lists of References

Berlin. Allgemeine Städtebau-Ausstellung, 1910. Literaturverzeichniss. Berlin, 1910. 52 pp.

Boston. Public Library. City and town planning. List of books and periodical articles. Bulletin, series 3, iii, pp. 180–199 (1910).

——. Catalogue of books relating to architecture, construction and decoration in the public library of the city of Boston. 2d edition, with an additional section on city planning. Boston, 1914. 535 pp.

Brooklyn, N. Y. Public Library. City planning and beautifying. A selected list of books and of references to periodicals. Brooklyn, 1912. 15 pp.

Kommunales Jahrbuch. Städtebau und Wohnungswesen. Jahrg. 1, 1908. Leipzig, 1908. Issued annually.
References with each article.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
City planning, i, pp. 277–280. References, p. 280.

New York City. Public Library. Selected list of references bearing on the city plan of New York. Bulletin, xvii, pp. 396–408 (May, 1913).

——. ——. Select list of works relating to city planning and allied subjects. *Ibid.*, pp. 930–960 (November, 1913).

Nolen, John. Replanning small cities; six typical studies. New York, 1912. 218 pp.
Short list of books, papers, and articles on city planning and related subjects, pp. 205–218.

NOLEN, JOHN. Town-planning library. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 259–264 (January, 1914).

Public Sociological Library. Social aspects of town planning. New York, 1912. 4 pp. (New York School of Philanthropy. Bulletin, v, no. 7 (March 1912).)

St. Louis. Public Library. A list of books and articles on city planning and civic centers. Compiled and annotated by JESSE CUNNINGHAM. St. Louis, 1912. 11 pp. (Reprinted from Monthly Bulletin, n. s., x, pp. 286–296 (1912).)

United States. Library of Congress. Division of Bibliography. In collaboration with Harvard University. Department of Landscape Architecture. Check list of references on city planning. Special Libraries, iii, pp. 61–123 (May, 1912).

UNWIN, RAYMOND. Town planning in practice. 2d edition. London, 1911. 416 pp.
Bibliography, pp. 405–411.

WALKER, ELLA K., compiler. City planning bibliography. Berkeley, 1914. (Berkeley City Club. Civic Bulletin, ii, pp. 118–152 (March 14, 1914).)

2. GENERAL BOOKS AND ARTICLES

ADSHEAD, S. D. Civic design. An inaugural lecture delivered at the University of Liverpool. Liverpool, 1909. 23 pp. (Publication of the University of Liverpool.)
The philosophical basis of city planning explained by an authority of high standing.

American Academy of Political and Social Science. Housing and town planning. Annals, li, whole no. 140 (January, 1914). Philadelphia, 1914. 270 pp.
Many of the papers in this volume are extremely valuable, presenting phases of the city-planning movement that are often overlooked. The editorial work is skillful but unobtrusive.

BEARD, C. A. American city government. New York, 1912. 420 pp.
Ch. xiv (pp. 356–386), City planning.

Birmingham, England. General Purposes Committee. Report to the general purposes committee of the deputation visiting Germany and Austria in May and June, 1910, for the purpose of studying town development. Birmingham, 1911. 54 pp.

Much useful information with regard to city planning in Berlin, Frankfort-on-the-Main, Munich, Ulm, Mannheim, Düsseldorf, and Vienna. Excellent maps.

Brinckmann, A. E. Deutsche Stadtbaukunst in der Vergangenheit. Frankfort a. M., 1911. 160 pp.

——. Evolution of the ideal in town planning since the Renaissance. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 146–165.

In German, with translation.

——. Platz und Monument. Untersuchungen zur Geschichte und Ästhetik der Stadtbaukunst in neuerer Zeit. Berlin, 1908. 175 pp.

Cadbury, George, Jr. Town planning; with special reference to the Birmingham schemes. New York, 1914. 201 pp.

Dawson, W. H. Municipal life and government in Germany. London, 1914. 507 pp.

Ch. vi (pp. 141–160), The planning of towns.

Eberstadt, Rudolph. Neue Studien über Städtebau und Wohnungswesen. Jena, 1912. 230 pp.

Forbáth, Emerich. Städtebauliche Studien; Schriften zur Förderung eines besseren Städtebaues und der Kleinwohnungsfürsorge in Städten. Leipzig, 1912. 167 pp.

Ford, G. B. Digging deeper into city planning. American City, vi, pp. 557–562 (March, 1912).

This brief article sounds the keynote for the best present-day work in the field of city planning, and is significant in the history of American city planning for its insistence upon the fundamental things rather than the superficial.

——. The city scientific. Proceedings, Fifth National Conference on City Planning, pp. 31–45 (1913).

Haverfield, F. J. Ancient town planning. Oxford (England), 1913. 152 pp.

HEGEMANN, WERNER. Der Städtebau nach den Ergebnissen der Allgemeinen Städtebau-Ausstellung in Berlin, nebst einem Anhang. 2 vols. Berlin, 1911–1913.

An excellent account of the more recent tendencies in German city planning.

HENRICI, KARL. Beiträge zur praktischen Ästhetik im Städtebau. Eine Sammlung von Vorträgen und Aufsätzen. Munich, 1910. 278 pp.

HOWE, F. C. The modern city and its problems. New York, 1915. 390 pp.

Ch. xv (pp. 194–210), City planning in America; ch. xvi (pp. 211–230), City planning in Europe.

HUGHES, H. T. The principles to be observed in laying out towns treated from the architectural standpoint. Journal, Royal Institute of British Architects, xx, series 3, no. 3 and 4 (December 7 and 21, 1912).

HURD, R. M. Structure of cities. Municipal Affairs, vi, pp. 24–43 (March, 1902).

KOCH, HUGO. Gartenkunst im Städtebau. Berlin, 1914. 256 pp.

KOESTER, FRANK. Modern city planning and maintenance. New York, 1914. 329 pp.

An excellent general introduction to the subject, written in popular fashion, but not superficial. Well illustrated.

Kongress für Städtewesen. Verhandlungen des ersten Kongresses für Städtewesen, Düsseldorf, 1912. Herausgegeben im Auftrage der Stadtverwaltung. 2 vols. Düsseldorf, 1913.

Vol. i, Städtebau; ii, Städtische Betriebe.

MAGEE, W. A. The organization and functions of a city planning commission. Proceedings, Fifth National Conference on City Planning, pp. 73–85 (1913).

MALTBIE, M. R. Civic art in northern Europe. A report to the art commission of the city of New York. New York, 1903. 26 pp.

MARSH, B. C., and FORD, G. B. Introduction to city planning; democracy's challenge to the American city; with a chapter on the technical phases of city planning, by G. B. Ford. New York, 1909. 156 pp.

An excellent book to serve as an introduction to the subject, but neither systematic nor scientific enough for the advanced student. The chapter by Mr. Ford is the most valuable in the book.

MAWSON, T. H. Civic art; studies in town planning, parks, boulevards and open spaces. London, 1911. 375 pp.
A considerable amount of material, well presented, especially useful for the layman. Well illustrated.

MUNRO, W. B. Principles and methods of municipal administration. New York, 1915.
Ch. ii, City planning.

National Conference on City Planning. Proceedings. First, 1909. Boston, 1910. Published annually.
The proceedings of the first conference (1909) are contained in United States, 61st Congress, 2d session, Senate doc. 422. For the American student of city planning this series of volumes is perhaps the most valuable of all works on the subject. The chief merit of the large majority of the papers is their sanity, their clearness, and their emphasis on the practical side.

NETTLEFOLD, J. S. Practical town planning. London, 1914. 493 pp.
The practical aspects of town planning in England, by a man who has long dealt at first hand with the problems he discusses. Valuable for the American student as well as for the English.

NOLEN, JOHN. Replanning small cities; six typical studies. New York, 1912. 218 pp.
One of the best volumes to give to the layman a clear understanding of the actual work of the city-planner.

——. Handbook of city planning. New York, 1915. (National Municipal League series.)
A collection of discussions dealing with various phases of the subject.

OLMSTED, F. L. A city planning program. Proceedings, Fifth National Conference on City Planning, pp. 1–16 (1913).

——. City planning: an introductory address delivered at the Second National Conference on City Planning and the Problems of Congestion (1910). Washington, 1910. 20 pp. (American Civic Association. Department of City Making. Pamphlets, series 2, no. 4 (June, 1910).)
These addresses state in masterly fashion the presuppositions, purposes, and method of city planning.

OLMSTED, F. L. The town-planning movement in America. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 172–181 (January, 1914).

PEABODY, R. S. A holiday study of cities and ports. Boston, 1908. 52 pp. (Publication of the Boston Society of Architects.)

Philadelphia. Municipal City Planning Exhibition. Catalogue. Philadelphia, 1911. 77 pp.

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.
Ch. ii (pp. 15–40), City planning.

ROBINSON, C. M. The improvement of towns and cities; or, The practical basis of civic aesthetics. 4th edition. New York, 1913. 313 pp.
A book written not so much as a scientific treatment of the subject as a means of arousing and educating public opinion. Intended for the layman rather than for the professional student.

——. Modern civic art; or, The city made beautiful. 2d edition. New York, 1904. 381 pp.
The aesthetic side of city planning ably and appealingly presented.

Royal Institute of British Architects. Transactions, 1911. London, 1911. 812 pp.
A collection of papers by experts on a wide range of topics, many of which are not treated in the general works on city planning. A storehouse of information that is invaluable to the serious student.

SCHULTZE-NAUMBURG, PAUL. Kulturarbeiten. 5 vols. in 6. Munich, 1906–1909.
Vol. i, Hausbau; ii, Gärten (2 vols.); iii, Dörfer und Kolonien; iv, Städtebau; v, Kleinbürgerhäuser.

SITTE, CAMILLO. Der Städtebau nach seinen künstlerischen Grundsätzen. 4th edition. Vienna, 1909. 216 pp.
One of the best German books on city planning from the aesthetic point of view. Indispensable for an understanding of recent German work. There is a French translation.

STUEBBEN, JOSEF. Der Städtebau. Stuttgart, 1907. 2d edition. 561 pp.
A scholarly study of both aesthetic and practical city planning, but one representing the earlier school of German city planning. Valuable for the professional student.

TRIGGS, H. I. Town planning; past, present, and possible. London, 1909. 334 pp.

A readable book, with many excellent illustrations. More valuable for the beginner than for the advanced student because of the greater emphasis on non-technical matters.

UNWIN, RAYMOND. Town planning in practice. An introduction to the art of designing cities and suburbs. London, 1911. 416 pp.

Altogether the best single volume in English on the subject for both the layman and the professional student. The writer has the rare combination of practical good sense and full appreciation of the aesthetic significance of city planning.

WASMUTH, ERNST, editor. Führer durch die Allgemeine Städtebau-Ausstellung in Berlin, 1910. Berlin, 1910. 171 pp.

WEYRAUCH, ROBERT. Über Bebauungspläne und Entwässerungsanlagen von mittleren und kleineren Städten. Stuttgart, 1914. 94 pp.

3. CITY DEVELOPMENT AND EXTENSION

ARONOVICI, CAROL. Suburban development. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 234–238 (January, 1914).

BAUMEISTER, REINHARD, and others. Die Umlegung städtischer Grundstücke und die Zonenenteigung. Berlin, 1897. 152 pp.

BEHRENDT, W. C. Die einheitliche Blockfront als Raumelement im Stadtbau; ein Beitrag zur Stadtbaukunst der Gegenwart. Berlin, 1911. 108 pp.

BENNETT, E. H. Planning for distribution of industries. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 216–221 (January, 1914).

CATTANÉO, MARIO. Italian legislation respecting the planning of building areas. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 716–729.

In Italian, with translation.

EBERSTADT, RUDOLPH. Problems of town development. Contemporary Review, xcvi, pp. 660–667 (December, 1909).

GEDDES, PATRICK. City development, a study of parks, gardens, and culture-institutes; a report to the Carnegie Dunfermline Trust. Edinburgh, 1904. 231 pp.

HALDEMAN, B. A. Control of municipal development by the zone system and its application in the United States. American City, vii, pp. 222–225 (September, 1912).

HURD, R. M. Principles of city land values. 2d edition. New York, 1905. 159 pp.
The best work on this subject, which is fundamental to real understanding of the significance of city planning.

LEWIS, N. P. The planning of undeveloped city areas. American City, iii, pp. 137–140 (September, 1910).

NICHOLS, J. C. Real estate subdivisions: the best manner of handling them. An address delivered at the fifth annual convention of the National Association of Real Estate Exchanges. Washington, 1912. 15 pp. (American Civic Association. Department of City Making. Pamphlet, series 2, no. 5.)

PRATT, E. E. Industrial causes of congestion of population in New York City. New York, 1911. 259 pp. (Columbia University Studies in History, Economics and Public Law, xliii, no. 1.)

REY, A. A. The growth and development of towns. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 266–281.
In French, with translation. Discussion, pp. 282–290.

RILEY, W. E. City development. *Ibid.*, pp. 291–305.

SHURTLEFF, A. A. The public street systems of the cities and towns about Boston in relation to private street schemes. Proceedings, Fourth National Conference on City Planning, pp. 116–124 (1912).

TAYLOR, G. R. Satellite cities. (Now in press.)

TRIGGS, H. I. Town planning; past, present and possible. London, 1909. 334 pp.
Ch. iv (pp. 170–212), Town expansion.

UNWIN, RAYMOND. The city development plan. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 247–265.

The best study of the subject, marked by the author's usual sound sense and thorough grasp of the fundamentals of city planning.

WEBER, A. F. The growth of cities in the nineteenth century. A study in statistics. New York, 1899. 495 pp. (Columbia University Studies in History, Economics and Public Law, xi.)

Expecially ch. ii, viii, and ix.

See also Congestion of Population, Municipal Transportation.

4. CHANNELS OF TRAFFIC

BOURNON, FERNAND. La voie publique et son décor. Colonnes, tours, portes, obélisques, fontaines, statues, etc. Paris, 1909. 232 pp.

CROW, ARTHUR. Town planning in relation to old and congested areas, with special reference to London. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 407–425.

DELANO, F. A. Railway terminals and their relation to city planning. Engineering Record, lx, pp. 683–686 (December 18, 1909).

DROEGE, J. A. Freight terminals and trains; including a revision of yards and terminals. New York, 1912. 465 pp.

ENO, W. P. Street traffic regulation: general street traffic regulations; special street traffic regulations; changes in car tracks and curb lines. New York, 1909. 63 pp.

FROST, HARWOOD. The art of roadmaking, treating of the various problems and operations in the construction and maintenance of roads, streets, and pavements. New York, 1910. 544 pp.

The best book on the subject for the general reader.

Great Britain. London Traffic Commission. Report of the royal commission appointed to inquire into and report

upon the means of locomotion and transport in London. 8 vols. London, 1905–1906.

A masterly report on the traffic problem of London, and very suggestive and stimulating to the general student of the subject. The maps and diagrams are particularly valuable.

Great Britain. London Traffic Branch. London traffic report. No. 1–5, 1905/07–1912. London, 1908–1913.

HALDEMAN, B. A. The planning of city streets. Discusses the importance of the street system and some of its problems, illustrating and describing streets in Germany and other countries. General discussion. Proceedings, Engineers' Club of Philadelphia, xxx, pp. 143–171 (April, 1913).

LEWIS, N. P. Street widths and their subdivision. Proceedings, Third National Conference on City Planning, pp. 184–187 (1911).

——, and others. Circulation of passengers and freight in its relation to the city plan. *Ibid.*, Second National Conference on City Planning and the Problems of Congestion, pp. 113–152 (1910).

Contains papers by N. P. Lewis, H. C. Wright, Calvin Tomkins, G. R. Wadsworth, John Nolen, and Sylvester Baxter.

MALTBIE, M. R. Transportation and city planning. *Ibid.*, Fifth National Conference on City Planning, pp. 107–119 (1913).

MAWSON, T. H. Street planning. Applied Science (Toronto), v, pp. 73–85 (December, 1911).

New York City. Merchants' Association. Passenger transportation service in the city of New York. A report to the association by its committee on engineering and sanitation, September, 1903. New York, 1903. 216 pp.

NOLEN, JOHN. Standardized street widths. Proceedings, Third National Conference on City Planning, pp. 198–206 (1911).

REHORST, KARL. Alte Städtebilder und moderner Verkehr. Müssen alte Städtebilder modernen Verkehrsrücksichten geopfert werden? Vortrag, Mannheim, 1907. Munich, 1908. 44 pp.

ROBINSON, C. M. Street plan of a city's business district. Architectural Record, xiii, pp. 234–247 (March, 1903).

——. The sociology of a street layout. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 192–199 (January, 1914).

——. The width and arrangement of streets; a study in town planning. New York, 1911. 199 pp.
A scientific study of the problem of street planning, with due attention to the aesthetic, the financial, and the hygienic aspects.

TRIGGS, H. I. Town planning; past, present, and possible. London, 1909. 334 pp.
Ch. iii (pp. 120–169), The circulation of traffic; ch. v (pp. 213–270), The planning of streets.

UNWIN, RAYMOND. Town planning in practice. 2d edition. London, 1911. 416 pp.
Ch. vii (pp. 235–288), Of the arrangement of main roads, their treatment and planning; ch. viii (pp. 289–318), Of site planning and residential roads.

WITTIG, PAUL. Die Weltstädte und der elektrische Schnellverkehr. Nach dem Vortrag im Berliner Architekten Verein am 13. März, 1909. Berlin, 1909. 78 pp.

City extension in relation to the planning of street railway systems. Engineering News, lxviii, pp. 212–215 (August, 1912).

See also Streets, Transportation.

5. BUILDINGS

BONNIER, LOUIS. Notes on the regulations governing the planning and designing of buildings within the city of Paris. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 208–232.
In French, with translation.

CHILD, S. Civic centers and the grouping of public buildings, with a suggestion for Boston. Journal, Association of Engineering Societies, xl, pp. 1–17 (January, 1908).

COMEY, A. C. The regulation of the height of fireproof commercial buildings. Proceedings, Fourth National Conference on City Planning, pp. 152–155 (1912).

CRAWFORD, A. W. The interrelation of housing and city planning. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 162–171 (January, 1914).

DAY, F. M. The location of public buildings in parks and other public open spaces. Proceedings, Third National Conference on City Planning, pp. 53–58 (1911).

FLAGG, ERNEST. Public buildings. *Ibid.*, pp. 42–52.

FORD, F. L., compiler. The grouping of public buildings. Hartford, 1904. 86 pp. (Municipal Art Society of Hartford. Bulletin no. 2.)

GUADET, JULIEN. Éléments et théorie de l'architecture; cours professé à l'École nationale et spéciale des beaux-arts. 3d edition. 4 vols. Paris, 1909.

New York City. Report of the Heights of Building Commission. New York, 1913. 295 pp.

See below, p. 339.

PUFF, C. F., Jr. Relation between the small house and the town plan. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 148–153 (January, 1914).

PURDY, C. T., and others. Height of buildings. An informal discussion at the annual convention, London, July 2, 1900. Transactions, American Society of Civil Engineers, xliv, pp. 449–474 (1900).

UNWIN, RAYMOND. Town planning in practice. 2d edition. London, 1911. 416 pp.

Ch. x (pp. 360–374), Of buildings, and how the variety of each must be dominated by the harmony of the whole.

VEILLER, LAWRENCE. Buildings in relation to street and site. Proceedings, Third National Conference on City Planning, pp. 80–96 (1911).

Discussion, pp. 97–117.

United States. District of Columbia Committee. City Planning. Washington, 1910. 105 pp. (United States. 61st Congress, 2d session. Senate doc. 422.)

This document is known as Proceedings, First National Conference on City Planning (1909). Building regulations as to height and proportion of site, etc., that may be covered in foreign and American states and cities, pp. 48–53.

See also Housing, Building Laws and Regulations.

6. Open Spaces

Alphand, J. C. A. Les promenades de Paris; histoire, description des embellissements, dépenses de création et d'entretien des Bois de Boulogne et de Vincennes, Champs-Élysées, parcs, squares, boulevards, places plantées. Étude sur l'art des jardins et arboretum. 2 vols. Paris, 1867–1873.

American Academy of Political and Social Science. Public recreation facilities. Annals, xxxv (March, 1910). Philadelphia, 1910. 232 pp.

American Park and Outdoor Art Association. Addresses and proceedings. Vols. i–vii, 1897–1903. Published in various places.

A volume that is a mine of valuable information on many aspects of park planning and maintenance. No more published. In 1904 the American Park and Outdoor Art Association, and the American League for Civic Improvement united to form the American Civic League.

Barker, H. A. The park in its relation to physical geography and the city plan. Charities and the Commons, xix, pp. 1506–1512 (February 1, 1908).

Baxter, Sylvester. The civic center; a dominant aesthetic feature. *Ibid.*, pp. 1502–1504 (February 1, 1908).

Crawford, A. W., and Day, F. M. The existing and proposed outer park systems of American cities. Report of the Philadelphia Allied Organizations. Harrisburgh, 1906. 61 pp.

A carefully prepared report on the park systems of America. Of particular value to the professional student.

Eliot, C. W. Charles Eliot, landscape architect. New edition. Boston, 1914. 770 pp.

HEGEMANN, WERNER. Amerikanische Parkanlagen; Zierparks, Nutzparks, Aussen- und Innenparks, Nationalparks, Park-Zweckverbände. Ein Parkbuch zur Wanderausstellung von Bildern und Plänen amerikanischer Parkanlagen. Berlin, 1911. 12 pp.

HÉNARD, ROBERT. Les jardins et les squares. Paris, 1911. 276 pp.

LOWRY, J. H. The Kansas City park system. Municipal Engineering, xlix, pp. 3–8 (January, 1913).

Massachusetts. Metropolitan Park Commission. Report of the commissioners. No. 1, 1893. Boston, 1894–.

MAWSON, T. H. Public parks and gardens: their design and equipment. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 434–449.

Seattle, Wash. Board of Park Commissioners. Parks, playgrounds and boulevards. Seattle, 1909. 160 pp.

SHURTLEFF, A. A. The present state of city planning. I. Civic centers. Architectural Review, xvii, pp. 1–3 (January 10, 1910).

TRIGGS, H. I. Town planning; past, present, and possible. London, 1909. 334 pp.

Ch. vi (pp. 271–327), The planning of squares and open spaces.

UNWIN, RAYMOND. Town planning in practice. London, 1911. 416 pp.

Ch. vi (pp. 175–234), Of centers and enclosed places. Emphasizes both the aesthetic and practical aspects. The most profitable discussion of the subject for the student.

See also Parks, Playgrounds.

7. GARDEN CITIES AND SUBURBS

ABERCROMBIE, P. Modern town planning in England. A comprehensive review of " garden city " schemes in England. Town Planning Review (Liverpool), i, pp. 18–38, 111–128 (April and July, 1910).

CULPIN, E. G. The garden city movement up-to-date. London, 1912. 63 pp.

The best presentation of the results actually achieved by the garden-city movement.

Garden Cities and Town Planning Association. The practical application of town planning powers. A report of a national town planning conference held at London on December 10, 1909. Edited by E. G. CULPIN. London, 1910. 72 pp.

Garden City Association. Town planning in theory and practice. A report of a conference held at London, on October 25, 1907. London, 1907. 72 pp.

Gartenstadt. Mitteilungen der deutschen Gartenstadtgesellschaft. Vol. i, 1910. Karlsruhe. Published monthly.

HARRIS, G. M. The garden city movement. With a preface by Ebenezer Howard. London, 1906. 92 pp. (Publication of the Garden City Association.)

HOWARD, EBENEZER. Garden cities of tomorrow. (The second edition of To-morrow: a peaceful path to real reform.) London, 1902. 167 pp.

The book which started the garden-city movement. The idealistic side presented by the man to whose efforts the garden city as a reality is primarily due.

KAMPFFMEYER, HANS. Die Gartenstadtbewegung. Leipzig, 1913. 116 pp.

MAWSON, T. H. Garden suburbs; model suburbs and villages and the housing of the industrial classes. Applied Science (Toronto), v, pp. 114–124 (December, 1911).

NETTLEFOLD, J. S. Garden cities and canals. London, 1914. 220 pp.

PURDOM, C. B. The garden city; a study in the development of a modern town. London, 1913. 329 pp.

SENNETT, A. R. Garden cities in theory and practice. Being an amplification of a paper on the potentialities of applied science in a garden city. 2 vols. London, 1905.

UNWIN, RAYMOND. Nothing gained by overcrowding! How the garden city type of development may benefit both owner and occupier. London, 1912. 20 pp. (Publication of the Garden Cities and Town Planning Association.)

Garden suburbs. Town planning and modern architecture. London, 1910. 132 pp.

Gartenstadt Hellerau, Dresden. Ein Bericht über den Zweck, die Organisation, die Ansiedelungs-Bedingungen, die bisherigen Erfolge und die Ziele. Hellerau-Dresden, 1911. 71 pp.

8. Financial Aspects

Aldridge, H. R., Gibbs, E. M., and Adshead, S. D. A symposium on the municipal ownership of land. Town Planning Review, iii, pp. 232–239 (January, 1913).

Beck, H. C. Financing special assessments. Detroit's method and experience. Proceedings of annual convention, National Association of Comptrollers and Accounting Officers, i, pp. 31–38 (1906).

Bickerdike, C. F. The principle of land value taxation. Economic Journal, xxii, pp. 1–15 (March, 1912).

Binkerd, R. S. Excess condemnation. National Municipal Review, ii, pp. 23–25 (January, 1913).

Brunner, A. W. The business side of city planning. *Ibid.*, i, pp. 236–240 (April, 1912).

Darwin, Leonard. The taxation of site values with reference to the distribution of population. Economic Journal, xvii, pp. 330–344 (September, 1907).

Fels, Joseph. Taxation, housing and town planning. American City, ix, pp. 425–427 (November, 1913).

Ford, G. B. The relation of city planning to the municipal budget. *Ibid.*, iv, pp. 66–71 (February, 1911).

Howe, F. C. The municipal real estate policies of German cities. Proceedings, Third National Conference on City Planning, pp. 14–26 (1911).

Discussion, pp. 27–41.

Kessler, G. E. Actual distribution of the cost of Kansas City parks and boulevards. Proceedings, Fifth National Conference on City Planning, pp. 140–146 (1913). Discussion, pp. 147–162.

See also American City, viii, pp. 575–581 (June, 1913).

Lane, F. V. Z., and Nolen, John. City planning and distribution costs. Annals of the American Academy of Political and Social Science, l, pp. 240–246 (November, 1913).

LEWIS, N. P. Financing a city plan. *Ibid.*, li, whole no. 140, pp. 246–253 (January, 1914).

——. Paying the bills for city planning. Proceedings, Fourth National Conference on City Planning, pp. 43–56 (1912).

These articles are perhaps the best brief presentation of the practical problem of financing city-planning projects.

London. County Council. Opening of Kingsway and Aldwych by His Majesty the King, accompanied by Her Majesty the Queen, on Wednesday, October 18, 1905. London, 1905. 40 pp.

An instructive example of the attempts to make city planning enterprises "pay for themselves."

MARSH, B. C. Taxation of land values in American cities; the next step in exterminating poverty. New York, 1911. 112 pp.

MEYER, H. R. Municipal real estate operations in connection with street improvements, in Paris, London, and the provincial towns of England. Report, Massachusetts Public Improvements Committee, 1904, pp. 53–101. (Massachusetts. House doc. no. 288.)

PARKER, E. M. Supplemental report on French and other continental systems of taking land for public purposes. Boston, 1904. 16 pp. (Massachusetts. House doc. no. 1096.)

PURDY, LAWSON. Condemnation, assessments and taxation in relation to city planning. Proceedings, Third National Conference on City Planning, pp. 118–130 (1911).

United States. District of Columbia Committee. City Planning. Washington, 1910. 105 pp. (United States. 61st Congress, 2d session. Senate doc. 422.)

Certain bills and briefs for improving the present methods of assessing land, taxing land, and acquiring land for public purposes, pp. 28–37; methods of taxation of land and municipal land ownership in continental countries, pp. 41–48. An important summary of information on municipal land-policy abroad.

UNWIN, RAYMOND. The relation of land values and town planning. Annals of the American Academy of Political and Social Science, li, whole no. 140, pp. 25–33 (January, 1914.).

UNWIN, RAYMOND, and others. A symposium on the municipal ownership of land. Town Planning Review, iv, pp. 13–16 (April, 1913).

City planning and excess condemnation. American City, vi, pp. 640–641 (April, 1912).

See also Excess Condemnation, Special Assessments, Taxation.

9. LEGAL ASPECTS

BASSETT, E. M. A survey of the legal status of a specific city in relation to city planning. Proceedings, Fifth National Conference on City Planning, pp. 46–62 (1913).

Discussion, by Ernst Freund, A. W. Crawford, and Alfred Bettman, pp. 62–68.

BENTLEY, E. G., and TAYLOR, S. P. Housing, town planning, etc., act, 1909; a practical guide in the preparation of town planning schemes, with appendices containing the text of the act . . . also, specimen forms of notices and a model set of coloured plans. . . . With a foreword by Raymond Unwin. London, 1911. 159 pp.

CRAWFORD, A. W. Certain principles of a uniform city planning code. Proceedings, Third National Conference on City Planning, pp. 231–240 (1911).

Discussion, pp. 241–260.

——, SHEILEY, J. W., FORD, F. L., and SHURTLEFF, FLAVEL. Some problems of legal and administrative procedure affecting the city plan. *Ibid.*, Second National Conference on City Planning and the Problems of Congestion, pp. 21, 153–182 (1910).

DAVIDSON, J. W. The new Alberta, Canada, town planning act. *Ibid.*, Fifth National Conference on City Planning, pp. 68–72 (1913).

DOWDALL, H. C. The growth of legal control over town development, with observations on the expense incurred by local authorities in carrying out a scheme under the town planning act. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 663–669.

EDGAR, R. A. Legal aspects of municipal aesthetics. Case and Comment, xviii, pp. 357–365 (December, 1911).

FALCONER, B. M. Can we legally restrict buildings? Real Estate Record and Builder's Guide, xci, pp. 502, 507 (1913).

GLEN, R. A., and DEAN, A. D. The law and practice of town planning. Being Pt. II of the housing, town planning, etc., act, 1909 (9 Edward VII, ch. 44). With introduction, notes to the act, departmental orders and model clauses for town schemes. London, 1913. xxxii, 283 pp.

Great Britain. Laws, statutes, etc. The housing, town planning, etc., act of 1909 (9 Edward VII, ch. 44), with incorporated provisions of the housing acts, and all orders issued by the local government board, together with full explanatory notes and index. Edited by W. A. CASSON. 3d edition. London, 1912. 326 pp.

LILIENBERG, I. Town planning and legislation in Sweden during the last fifty years. Transactions, Royal Institute of British Architects. Town Planning Conference, 1910, pp. 702–711.

Discussion, pp. 712–715.

NETTLEFOLD, J. S. Practical housing. London, 1910. 197 pp.

Ch. v–xi deal with town planning, with special reference to the English act of 1909. These chapters provide an excellent practical commentary on the act.

New York City. Art Commission. Laws relating to art commissions. New York, 1914. 53 pp.

SHURTLEFF, FLAVEL, and OLMSTED, F. L. Carrying out the city plan. The practical application of American law in the execution of city plans. New York, 1914. 349 pp. (Russell Sage Foundation publication.)

A thoroughly scientific work, of great value to the practical city-planner and to the citizen interested in actual city-planning work.

SIMPSON, JOHN. Aesthetics and police power. Laws recognizing right of city to control aesthetic appearance of streets. Regulating height of buildings. Advertising signs. Municipal Journal and Engineer, xxvii, p. 15 (July 7, 1909).

VEILLER, LAWRENCE. An extension of the police power. Survey, xxii, pp. 514–516 (July 3, 1909).

WILLIAMS, W. F., and others. Legislation necessary for intelligent city planning. Short articles and discussion. Proceedings, Fourth National Conference on City Planning pp. 138–151 (1912).

See also Billboard Regulation, Housing.

10. INDIVIDUAL CITIES

(*a*) *Foreign cities*

Berlin.

EBERSTADT, RUDOLPH, and others. Gross-Berlin; ein Programm für die Planung der neuzeitlichen Grossstadt. Berlin, 1910. 80 pp.

Ausschuss Gross-Berlin. Anregungen zur Erlangung eines Grundplanes für die städtebauliche Entwicklung von Gross-Berlin. Gegeben von der Vereinigung Berliner Architekten und dem Architektenverein zu Berlin. Berlin, 1907.

Wettbewerb Gross-Berlin, 1910. Die preisgekrönten Entwürfe mit Erläuterungsberichten. Berlin, 1911. [4 descriptions] 21, 39, 32, 76 pp.

Canberra, Australia. Royal Commission on Sites for the Seat of Government. Report of the commissioners with appendices and plans. Melbourne, 1903. 94 pp.

Delhi, India. Town Planning Committee. East India. Report on the choice of a site for the new imperial capital. 3 vols. London, 1913.

Düsseldorf. Wettbewerb zur Erlangung eines Bebauungsplanes der Stadt Düsseldorf. Düsseldorf, 1911. 7 pp.

Frankfort-on-the-Main. Guide to some of the public works, Frankfort-on-the-Main. Frankfort, 1907. 79 pp. (Published by the city engineer's department.)

Paris. SMITH, E. R. Baron Haussmann and the topographical transformation of Paris under Napoleon III. Architectural Record, xxii, pp. 121–133, 227–238, 369–385, 491–506 (August, September, November, 1907); xxiii, pp. 21–38 (January, 1908).

(*b*) *American cities*

Albany, N. Y. BRUNNER, A. W., and LAY, C. D. Studies for Albany. New York, 1914. 101 pp.

Boston.

Massachusetts. Metropolitan District Commission. Report to the Massachusetts Legislature, 1896. Boston, 1896. 100 pp.

——. Metropolitan Improvements Commission. Public improvements for the metropolitan district. Report. Boston, 1909. 318 pp.

——. ——. Final report of the joint board on metropolitan improvements. Boston, 1911. 145 pp. (House doc. no. 1550.)

——. Metropolitan Plan Commission. Report, January 1, 1912. Boston, 1912. 61 pp. (House doc. no. 1615.)

Chicago.

BURNHAM, D. H., and BENNETT, E. H. Plan of Chicago, prepared under the direction of the Commercial Club during the years 1906, 1907 and 1908. Edited by C. H. Moore. Chicago, 1909. 164 pp. (Publication of the Commercial Club.)

WACKER, C. H. Chicago; "a city set in a garden." Municipal Engineering, xliv, pp. 45–47 (January, 1913).

——. Wacker's manual of the plan of Chicago. Municipal economy. Especially prepared for study in the schools of Chicago, by W. D. Moody. Chicago, 1912. 147 pp. (Publication of the Chicago City Plan Commission.)

Cleveland.

Board of Supervision for Public Buildings and Grounds. The group plan of the public buildings of the city of Cleveland. Report made to the mayor and board of public service by D. H. BURNHAM, J. M. CARRÈRE, A. W. BRUNNER. Second edition with supplement indicating the progress of the improvement. Cleveland, 1907. 20 pp.

Hartford, Conn.

City Plan Commission. Annual reports. No. 1, 1908. Hartford, 1908–.

Hartford, Conn. (continued).

CARRÈRE, J. M., and HASTINGS, THOMAS. A plan of the city of Hartford. Preliminary report by Carrère and Hastings, advisory architects, to the commission on the city plan of the city of Hartford, in relation to the rectification of the present plan and development and extension of the city. Hartford, 1912. 117 pp.

Newark, N. J. City Plan Commission. City planning for Newark. Newark, 1913. 163 pp.

New York City.

Improvement Commission. Report to mayor and board of aldermen, December 14, 1904. 2d edition. New York, 1905. 23 pp.

——. The report of the New York City Improvement Commission to Hon. G. B. McClellan, 1907. New York, 1907. 36 pp.

Pittsburgh.

City Planning Commission. Annual report for the fiscal year ending January 31, 1913. Pittsburgh, 1913. 76 pp.

——. Manual of the commission. Pittsburgh, 1912. 15 pp.

Civic Commission. The city and the Allegheny river bridges; recommendations for bridge heights and pier locations to meet the various transportation needs of Pittsburgh, by T. W. SYMONDS and F. L. OLMSTED. Pittsburgh, 1910. 37 pp. (Publication no. 3.)

——. City planning for Pittsburgh; outline and procedure; a report by B. J. ARNOLD, J. R. FREEMAN, and F. L. OLMSTED; adopted by the commission, December, 1909. Pittsburgh, 1910. 31 pp. (Publication no. 4.)

San Francisco. BURNHAM, D. H., and BENNETT, E. H. Report on a plan for San Francisco. Presented to the mayor and board of supervisors by the Association for the Improvement and Adornment of San Francisco. San Francisco, 1905. 211 pp.

Seattle, Wash. Municipal Plans Commission. Plan of Seattle. Report of municipal plans commission submitting report of V. G. Bogue, engineer. Seattle, 1911. 235 pp.

United States. Fine Arts Commission. Annual reports. No. 1, 1912. Washington. Issued annually.

List of American city planning reports. American City, xi, pp. 490–497 (December, 1914).

See also Kimball, Theodora, A brief survey of recent city-planning reports in the United States. Landscape Architecture, v, pp. 75–104 (January, 1915).

11. Periodicals

American City. Vol. i, 1909. New York. Published monthly.

Landscape Architecture. Official organ of the American Society of Landscape Architects. Vol. i, 1910. Harrisburgh. Published quarterly.

National Conference on City Planning. Proceedings of conferences. No. 2, 1910. Boston. Published annually.

The proceedings of the first conference are contained in United States, 61st Congress, 2d session, Senate doc. 422. In 1910 only, the title appeared as National Conference on City Planning and the Problems of Congestion.

National Housing Association. Housing problems in America. Proceedings of National Conferences on Housing. No. 1, 1911. New York. Published annually.

——. Publications. New York, 1909–.

A series of pamphlets issued from time to time.

——. Housing Betterment. Vol. i, February, 1912. New York. Published at irregular intervals.

Städtebau. Monatsschrift für die künstlerische Ausgestaltung der Städte nach ihren wirtschaftlichen, gesundheitlichen und sozialen Grundsätzen. Vol. i, 1904. Berlin. Published monthly.

The best German periodical on the subject.

Städtebauliche Vorträge aus dem Seminar für Städtebau an der Königlichen Technischen Hochschule zu Berlin. Vol. i, 1908. Berlin. Published irregularly; 8 nos. to the yearly volume.

Town Planning Review. The journal of the Department of Civic Design at the School of Architecture at the University of Liverpool. Vol. i, 1910. Liverpool. Published quarterly.

The most valuable periodical for the student who wishes to keep in touch with city planning in England. Many excellent articles on city planning in other countries, also.

SECTION XXVI. LAND TAKINGS FOR PUBLIC IMPROVEMENTS

1. General Discussions

Baumes, Paul. Essai sur le domaine éminent de l'état en droit moderne. Paris, 1902. 144 pp.

Black, H. C. Handbook of American constitutional law. 3d edition. St. Paul, 1910. 868 pp.
The right of eminent domain, pp. 468–503.

Cooley, T. M. A treatise on the constitutional limitations which rest upon the legislative power of the states of the American union. 7th edition, with large additions, giving the results of the recent cases. Boston, 1903. 1306 pp.
The eminent domain, pp. 752–828.

New York City. Citizen's Union. Condemnation, another method by which politicans land New York City up against the debt limit. New York, 1909. 6 pp.

Purdy, Lawson. Condemnation, assessments and taxation in relation to city planning. Proceedings, Third National Conference on City Planning, pp. 118–130 (1911).

Shurtleff, Flavel, and Olmsted, F. L. Carrying out the city plan. The practical application of American law in the execution of city plans. New York, 1914. 349 pp. (Russell Sage Foundation publication.)
Ch. ii (pp. 22–51), Acquisition of land; ch. iii (pp. 52–103), Distribution of the cost of land acquirement.

2. Legal Treatises

Cooley, R. W. Handbook of the law of municipal corporations. St. Paul, 1914. 711 pp.
See index under Eminent domain.

Dillon, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
Law of eminent domain, iii, ch. xxii (pp. 1600–1684).

Lewis, John. A treatise on the law of eminent domain in the United States. 3d edition. 2 vols. Chicago, 1909.

MACK, WILLIAM, editor. Cyclopedia of law and procedure. 40 vols. New York, 1901–1912.
Vol. xv, pp. 543–1029, Eminent domain, by E. W. Pattison.

MCQUILLIN, EUGENE. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
See index under Eminent domain.

NICHOLS, PHILIP. The power of eminent domain; a treatise on the constitutional principles which affect the taking of property for public use. Boston, 1909. 560 pp.

3. CONDEMNATION PROCEDURE

DOWD, W. B. Condemnation proceedings. Albany Law Journal, lxx, pp. 291–293 (October, 1908).
Points out need for change in the New York law.

MACK, WILLIAM, editor. Cyclopedia of law and procedure. 40 vols. New York, 1901–1912.
Vol. xv, pp. 805–987, Proceedings to condemn property, by E. W. Pattison.

Massachusetts. Legislative Committee on Eminent Domain. Report. December 29, 1903. Boston, 1904. 101 pp. (Printed as House doc. no. 288.)
Contents: Report; Draft of proposed act; The method of procedure in case of taking land for street widening and other improvements in London, compiled by L. C. Wead; The method of procedure in case of taking land for street widening and other improvements in Glasgow, compiled by L. C. Wead; Report on the French system for taking land by right of eminent domain, by E. M. Parker; Municipal real estate operations in connection with street improvements, in Paris, London and the provincial towns of England, by H. R. Meyer.

New York City. Merchants' Association. Cost of condemnation proceedings and analysis of references. Compiled and published December, 1903. New York, 1903. 67 pp.

SECTION XXVII. EXCESS CONDEMNATION

1. LISTS OF REFERENCES

Newark, N. J. Free Public Library. Excess condemnation. A selected list of references. The Newarker, i, pp. 117–119 (May, 1912).

United States. Library of Congress. Division of Bibliography. Select list of references on excess condemnation and municipal ownership of land. Washington, 1910. 4 pp. (typewritten).

——. ——. Select list of references on eminent domain and condemnation procedure. Washington, 1912. 6 pp. (typewritten).

2. General Discussions

Crawford, A. W. Excess condemnation and public use. Proceedings, Second National Conference on City Planning and the Problems of Congestion, pp. 155–163 (1910).

Long, P. V. The doctrine of excess condemnation. Pacific Municipalities, xxvi, pp. 485–489 (October, 1912).

——. Excess condemnation. *Ibid.*, xxvii, pp. 92–94 (February, 1913).

New York City. Board of Estimate and Apportionment. Excess condemnation in Europe. Report of Chief Engineer, 1910, pp. 17–18.

——. Commission on New Sources of Revenue. Report. New York, 1913. 116 pp.
Excess condemnation, pp. 79–80.

Shurtleff, Flavel, and Olmsted, F. L. Carrying out the city plan. The practical application of American law in the execution of city plans. New York, 1914. 349 pp. (Russell Sage Foundation publication.)
Ch. iv (pp. 103–137), Excess condemnation.

Wead, L. C. Excess condemnation of land as affecting highway and tunnel questions. Report, Massachusetts Joint Board of Metropolitan Improvements, 1911, pp. 42–46. (House doc. no. 1550.)

——, compiler. The method of procedure in case of taking land for street widening and other improvements in London. Report, Massachusetts Legislative Committee on Eminent Domain, 1904, pp. 21–38. (House doc. no. 288.)

Excess condemnation an important municipal issue. Engineering Record, lxviii, pp. 480–481 (November 1, 1913).

3. Constitutional and Legal Aspects

Bostwick, A. L. Excess condemnation: laws of Massachusetts, Ohio, Connecticut, New York, Maryland and Missouri; illustration of practice; discussion. Municipal Journal, xxxv, pp. 464–465 (October 2, 1913).

Burnham, D. H., and Bennett, E. H. Plan of Chicago prepared under the direction of the Commercial Club during the years 1906, 1907, and 1908. Edited by C. H. Moore. Chicago, 1909. 164 pp.

The best summary in print on the legal aspects of excess condemnation, pp. 129, 141–151.

New York City. Department of Docks and Ferries. Report on scope and limits of expropriation, "incidental" *vs.* "excess" condemnation, by J. De W. Warner. New York, 1912. 30 pp.

Nolen, John. Replanning small cities; six typical studies. New York, 1912. 218 pp.

Contains, pp. 173–174, text of an act authorizing cities to take land in excess of the amount required for direct public use, from the Pennsylvania statutes.

Parker, E. M. Report on the French system for taking land by right of eminent domain. Report, Massachusetts Legislative Committee on Eminent Domain, 1904, pp. 44–52. (House doc. no. 288.)

——. Supplemental report on French and other continental systems of taking land for public purposes. Boston, 1904. 16 pp. (House doc. no. 1096.)

City planning and excess condemnation. American City, vi, pp. 640–641 (April, 1912).

Excess condemnation. New York Law Journal, xliv, p. 40 (October 4, 1910).

SECTION XXVIII. PUBLIC WORKS

1. General Discussions

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Eddy, H. P. Relative efficiency of the day labor and contract system of doing municipal work. Journal, Associated Engineering Societies, xliv, pp. 24–69 (January, 1910).

International Correspondence Schools (Scranton, Pa.). The elements of municipal engineering; prepared for students of the international correspondence schools. 5 vols. Scranton, 1897.

McCullough, Ernest. Municipal public works. An elementary manual of municipal engineering. Lewiston (Idaho), 1900. 153 pp.

——. Engineering work in towns and cities. 2d edition. Chicago, 1908. 502 pp.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Contract system of public works, i, pp. 459–461; references, p. 461. Public works, national, state, and municipal, iii, pp. 113–116; references p. 116.

Maxwell, W. H., and Brown, J. T. The encyclopaedia of municipal and sanitary engineering. New York, 1910. 561 pp.

Mead, D. W. Notes on the selection and design of public works, hydraulic and power plants, electric lighting and pumping installations, water works, sewerage and drainage. Chicago, 1899. 63 pp.

Trautwine, J. C. The civil engineer's pocket-book. 19th edition. Philadelphia, 1913. 1257 pp.

Tupper, J. E. Piece-work system applied to city forces. Municipal Engineer, xlv, pp. 115–118 (August, 1913).

An account of the work carried out at Pomeroy, Wash., installing a sewerage system and showing the practicability of piece-work payment.

University of Wisconsin. University Extension Division. Department of General Information and Welfare. Municipal

and sanitary engineering service. Madison, 1914. 24 pp. (Bulletin of the University of Wisconsin, serial no. 643; general series no. 455.)

WHINERY, SAMUEL. Municipal public works. New York, 1903. 241 pp.

See also Streets, Parks, Bridges, etc.

SECTION XXIX. STREETS AND SIDEWALKS

1. LISTS OF REFERENCES

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Streets, pp. 257–258.

Chicago. Civil Service Commission. Report on the appropriations and expenditures of the bureau of streets. Chicago, 1912. 64 pp.
Bibliography, pp. 60–64.

FROST, HARWOOD. The art of roadmaking. New York, 1910. 544 pp.
Bibliography of roads, streets, and pavements, pp. 505–533.

——. Notes on the literature of roads, streets and pavements. New York, 1909. 32 pp. (Reprinted from the Engineering Digest.)

New York City. Public Library. List of works on the streets of New York City. Bulletin, v, pp. 151–159 (April, 1901).
See also *Ibid.*, xvi, pp. 731–783 (October, 1912).

United States. Superintendent of Documents. Public Roads Office publications. Washington, 1911. 6 pp. (Price list 45.)

Washington. State Library. Select list of references on roads. Olympia, 1912. 41 pp.

WEBB, SIDNEY. Bibliography of road-making and maintenance in Great Britain. London, 1906. 34 pp.

2. BRIEF GENERAL DISCUSSIONS

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.
Ch. ii (pp. 11–24), Streets, pavements and sidewalks.

BEARD, C. A. American city government. New York, 1912. 420 pp.
Ch. ix (pp. 242–260), The streets of the city.

BLACHLY, F. F. General discussion on conditions, traffic, and construction of streets of New York City. National Municipal Review, ii, pp. 605–616 (October, 1913).

CUSHMAN, A. S. Streets and their construction. In Municipal chemistry, edited by Charles Baskerville, ch. xii (pp. 193–208). New York, 1911. 526 pp.

MUNRO, W. B. Principles and methods of municipal administration. New York, 1915.
Ch. iii, Streets.

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.
Ch. iv (pp. 66–83), City streets.

WILCOX, D. F. The American city. New York, 1904. 423 pp.
Ch. ii (pp. 28–51), The street problem.

3. ORGANIZATION OF THE STREET DEPARTMENT

Chicago. City Club. The superintendent of streets. His importance and qualifications. Chicago, 1909. 10 pp. (Bulletin, iii, no. 6 (November 24, 1909).)

CONNELL, W. H. Municipal highway organization. American City, viii, pp. 526–530 (May, 1913).
See also Engineering and Contracting, xxxviii, pp. 684–685 (December 18, 1912).

GOODRICH, E. P., and HOLTON, W. B., Jr. Efficiency in highway administration, with special reference to pavements. Annals of the American Academy of Political and Social Science, xli, pp. 115–126 (May, 1912).

HATTON, A. R. Digest of city charters. Chicago, 1906. 351 pp.
Department of public works and public service, pp. 295–304.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Street commissions and commissioners, iii, pp. 432–433; references, p. 433. Street administration, iii, pp. 434–436; references, p. 436.

New York City. Bureau of Municipal Research. St. Louis: a preliminary survey of certain departments of the govern-

ment of the city of St. Louis, with constructive suggestions for changes in organization and method. St. Louis, 1910. 416 pp.

Street commissioner: organization, powers and duties, record and procedure, pp. 271–303.

——. Merchants' Association. Maintenance of pavements and administration of streets in the city of New York. New York, 1906. 38 pp.

WHINERY, SAMUEL. Municipal public works. New York, 1903. 241 pp.

Ch. viii (pp. 95–104), The supervision of public works.

4. STREET PLANNING

ALLEN, A. T. New streets. Laying out and making up. London, 1904. 175 pp.

Relates to British problems and practice only.

American Academy of Political and Social Science. Housing and town planning. Annals, li, whole no. 140 (1914). Philadelphia, 1914. 296 pp.

The street layout, by B. A. Haldeman, pp. 182–191; The sociology of a street layout, by C. M. Robinson, pp. 192–199; Subterranean street planning, by G. S. Webster, pp. 200–207.

HALDEMAN, B. A. The planning of city streets. Engineering and Contracting, xxxix, pp. 544–548 (May 14, 1913).

NOLEN, JOHN. Standardized street widths. Boston, 1910. 9 pp.

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.

Ch. iv (pp. 66–83), City streets.

ROBINSON, C. M. The width and arrangement of streets; a study in town planning. New York, 1911. 199 pp.

WEBSTER, G. S., and TILLSON, G. W. The width of street pavements. Municipal Engineering, xli, pp. 31–33 (July, 1911).

The planning of new streets and roads. Surveyor, xliii, pp. 991–997 (June 27, 1913).

See also City Planning, Excess Condemnation, Land Takings.

5. Street Construction

Aiken, Thomas. Road making and maintenance: a practical treatise for engineers, surveyors and others. 2d edition. London, 1907. 527 pp.

Baker, I. O. A treatise on roads and pavements. 2d edition. New York, 1913. 698 pp.

Blanchard, A. H., and Drowne, H. B. Textbook on highway engineering. New York, 1913. 762 pp.

Bryne, A. T. A treatise on highway construction. 5th edition. New York, 1907. xliii, 1040 pp.

The book treats of every branch of the subject and may be said to be cyclopedic in character. The titles of the chapters are: Pavements, Materials employed in construction of pavements, Stone pavements, Wood pavements, Asphaltum and coal-tar pavements, Brick pavements, Broken-stone pavements, Miscellaneous pavements, Foundations, Resistance to traction, Location of country roads, Width and transverse contour, Earthwork, Drainage and culverts, Bridges, Retaining walls, Protection works, Tunnels, Fencing, City streets, Footpaths, Curbs, Gutters, Reconstruction and improvement of country roads, Maintenance-repairing, Cleansing, Watering, Trees, Staking out the work, Specifications and contracts, Implements and prices, etc.

——, and Phillips, A. E. Highway construction. Chicago, 1908. 136 pp.

A practical guide to modern methods, issued by the American School of Correspondence. Chiefly an epitome of Byrne's larger work.

Cushman, A. S. Streets and their construction. In Municipal chemistry, edited by Charles Baskerville, ch. xii (pp. 193–208). New York, 1911. 526 pp.

——. Modern road construction. *Ibid.*, ch. xiii (pp. 209–221).

Frost, Harwood. The art of roadmaking. New York, 1910. 544 pp.

In the comparatively small space of this book is condensed a history of road-building and a review of the fundamental and essential principles of the road-builder's art as it has been recorded by the most reliable authorities. The reader who is unacquainted with the subject is given a good general knowledge of it, and the technical man is furnished an outline of the principal facts and a statement of where further specialized information may be found.

HARGER, W. G., and BONNEY, E. A. Handbook for highway engineers. New York, 1912. 493 pp.

This is a book for the road-builder, taking up " the theory of design " and " the practice of design and construction " of the more expensive types of road construction in New York, with detailed accounts of work in other places.

KLOSE, GEORG. Der Stadtstrassenbau. Berlin, 1914. 109 pp.

WOOD, FRANCIS. Modern road construction. A practical treatise for the use of engineers, students, members of local authorities, etc. London, 1912. 137 pp.

6. STREET PAVING

BAKER, I. O. A treatise on roads and pavements. 2d edition. New York, 1913. 698 pp.

FROST, HARWOOD. The art of roadmaking. New York, 1910. 544 pp.

City streets and pavements, pp. 296–450.

GOODRICH, E. P., and HOLTON, W. B., Jr. Efficiency in highway administration, with special reference to pavements. Annals of the American Academy of Political and Social Science, xli, pp. 115–126 (May, 1912).

JUDSON, W. P. City roads and pavements suited to cities of moderate size. New York, 1909. 197 pp.

Discusses such matters as early paving methods, bitulithic, block-stone, brick, wood, asphalt, iron slag and other pavements, the preparation of streets for paving, and the relative merits of various paving materials. A standard work for many years.

KIRCH, W. W. Cost data on street paving. Engineering Record, lxvii, pp. 243–244 (March 1, 1913).

LEWIS, N. P. Adaptability of roads and pavements to local conditions. American City, v, pp. 354–358 (December, 1911).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Pavements, ii, pp. 655–656; references, p. 656. Street pavements, iii, pp. 433–434; references, p. 434.

MANDIGO, C. R. Kansas City specifications for creosoted wood-block paving. Engineering News, lxxii, pp. 916–919 (November 5, 1914).

SOHIER, W. D. Road traffic and treatment; knowledge of traffic essential to wise selection of pavement. Municipal Journal, xxxiv, pp. 24–25 (January 2, 1913).

SPALDING, F. P. A text book on roads and pavements. 4th edition. New York, 1914. 408 pp.

The style of the book is simple and direct. Its purpose is to discuss from the engineering standpoint the elementary principles of successful highway construction and to outline the more important systems in use, rather than to give a mass of detailed examples and statistics of such work.

TILLSON, G. W. Street pavements and paving materials. 2d edition. New York, 1912. 651 pp.

Contents: History and development of pavements; Stone; Asphalt; Brick-clays and the manufacture of paving brick; Cement, cement mortar and concrete; Theory of pavements; Cobble and stone-block pavements; Asphalt pavements; Brick pavements; Wood pavements; Broken-stone pavements; Plans and specifications; Construction of street-car tracks in paved streets; Width of streets and roadways, curbs, sidewalks, etc.; Asphalt plants.

WEBSTER, G. S., and TILLSON, G. W. The width of street pavements. Municipal Engineering, xli, pp. 31–33 (July, 1911).

WHINERY, SAMUEL. General considerations relating to streets and street pavements in Boston. Reports, Boston Finance Commission, iv (1909), ch. v (pp. 192–241).

Summarizes the whole question of paving materials and methods.

——. Specifications for street roadway pavements; with instructions to inspectors on street paving work. 2d edition. New York, 1913. 116 pp.

Average life of street pavements in American cities. Engineering and Contracting, xl, pp. 670–671 (December 10, 1913).

Average unit prices of pavements constructed in 1910 in a number of representative American cities. Tabulated statement showing the amount and average unit price for the most common type. *Ibid.*, xxxv, pp. 395–401 (April 5, 1911).

Average unit prices of pavements constructed in 1911 in 400 American cities. *Ibid.*, xxxvii, pp. 377–385 (April 3, 1912).

Average unit prices of pavements constructed in 1912 in 568 cities. *Ibid.*, xxxix, pp. 373–389 (April 2, 1913).

Statistics of pavement construction in 1913 in the United States and Canada. *Ibid.*, xli, article index, pp. 39–46 (April 1, 1914).

Street paving statistics. Official figures from about seven hundred cities. Amount of each kind of street and sidewalk paving done during 1913. Municipal Journal, xxxvi, pp. 304–330 (March 5, 1914); pp. 463–465 (April 2, 1914); xxxviii, pp. 133–159 (February 4, 1915).

See also the Municipal paving symposium in Annals of the American Academy of Political and Social Science, xxix, pp. 559–600 (May, 1907).

7. Repair and Maintenance of Pavements

Baker, I. O. Problems of highway maintenance. Engineering Magazine, xxxi, pp. 439–441 (June, 1906).

Barlow, J. E. Repair and renewal of pavements. Municipal Journal and Engineer, xxxii, pp. 85–87 (January 18, 1912).
Method of determining when it becomes more economical to renew a pavement than to continue to repair it.

Boston. Finance Commission. Reports, iv. Boston, 1909. 333 pp.
Ch. ii (pp. 85–146), Street and road construction and repair in Boston.

Bostwick, A. L. Regulating street excavations. Digest of ordinances of eight cities regarding permits, deposits, maintenance bonds, inspection and charges for repaving done by city. Municipal Journal, xxxviii, pp. 281–282 (March 4, 1915).

Chicago. Bureau of Public Efficiency. Street pavement laid in Chicago: an inquiry into materials, methods, and results. Chicago, 1911. 41 pp. (Bulletin no. 3, 1911.)

Hempelmann, W. L. Maintenance of asphalt, bitulithic and creosoted wood block pavements. Engineering and Contracting, xxxix, pp. 115–116 (January 29, 1913).
See also Engineering Record, lxvii, p. 414 (April 10, 1913).

Morton, G. H. The life and cost of asphalt pavements. Engineering News, lxviii, pp. 562–568 (September 26, 1912).
See also Municipal Journal, xxxii, pp. 166–169 (February 1, 1912).

8. Traffic Congestion and Traffic Regulation

American Society of Municipal Improvements. Report of committee on traffic on streets and roads. Surveyor and Municipal and County Engineer, xliii, pp. 38–39 (January 10. 1913).

Blanchard, A. H. Value of the traffic census in the economical design of highways. Engineering and Contracting, xxxix, p. 97 (January 22, 1913).

Boston. Chamber of Commerce. Report on street traffic of Boston. Boston, 1914. 48 pp.

Cunningham, A. J. Traffic regulations and the use of streets by pedestrians. National Municipal Review, ii, pp. 329–331 (April, 1913).

Eno, W. P. Street traffic regulation: general street traffic regulations; special street traffic regulations; changes in car tracks and curb lines. New York, 1909. 63 pp.

——. Standardized street traffic regulations. American City, ix, pp. 223–226 (September, 1913).

Howard, J. W. A proposed standard record of street traffic. Engineering News, lxix, pp. 4–6 (January 2, 1913).

Great Britain. Royal Commission on London Traffic. Report. 8 vols. London, 1905–1906.

The most thorough investigation of traffic congestion ever undertaken in any city. Contains a great mass of evidence, statistical data, and discussion of traffic problems many of which present themselves in much the same form in American cities. A résumé of the reports is contained in Engineering News, lxv, pp. 438–440 (April 13, 1911).

Jersey City, N. J. Board of Police Commissioners. Rules for the regulation of street traffic. Jersey City, 1913. 15 pp.

An excellent set of rules, adaptable to conditions in most American cities.

Newark, N. J. Public Library. The Newarker, ii, pp. 253–271 (February, 1913).

An issue devoted to the transit problem in Newark, with full statement of a proposed solution of the problem.

New York City. Report of the special committee on speed regulations. New York City Record, xli, pp. 3416–3419 (April 17, 1913).

Paris. Conseil Municipal. Proposition relative à l'installation de signaux et de poteaux indicateurs déstinés à faciliter la circulation. Paris, 1911. 16 pp.

SOHIER, W. D. The traffic census as a preliminary to road improvement. Engineering and Contracting, xxxix, pp. 94–97 (January 22, 1913).

WELCH, M. J. Relieving traffic on congested streets. Municipal Engineering, xlvi, pp. 208–209 (March, 1914).

Worcester, Mass. Commission on Relief of Street Congestion. Final report, December 12, 1911. Worcester, 1912. 73 pp.

See also Police.

9. THE LAW RELATING TO STREETS

COOLEY, R. W. Handbook of the law of municipal corporations. St. Paul, 1914. 711 pp.
See index under Streets.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
Laws relating to streets, iii, ch. xxiv. See also index under Streets, Traffic, Pavements, Sidewalks, etc.

ELLIOTT, B. K. A treatise on the law of roads and streets. 3d edition. 2 vols. Indianapolis, 1911.
A comprehensive study of the subject in all its branches.

JONES, D. A. A treatise on the negligence of municipal corporations. New York, 1892. 588 pp.
Ch. vi–x, Municipal duties and liabilities in relation to streets; ch. xi, Duties in relation to the repair of sidewalks.

MCQUILLIN, EUGENE. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
See index under Streets.

SCHOLEFIELD, JOSHUA, and HILL, G. R. The law relating to the paving and sewering of new streets and private streets (in London and elsewhere). 2d edition. London, 1911. 236 pp.

See also Special Assessments.

10. Sidewalks: Construction and Maintenance

Boynton, C. W. Portland cement sidewalk construction. Chicago, 1908. 61 pp.

Concrete Publishing Company (Detroit). Concrete sidewalks. 7th edition. Detroit, 1911. 67 pp.
Contains suggestions and standard specifications.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Sidewalks, iii, pp. 308–309. References, p. 309.

Palliser, Charles. Modern cement sidewalk construction. New York, 1908. 64 pp.

Whinery, Samuel. Sidewalks in Boston. Reports, Boston Finance Commission, iv, pp. 242–264 (1909).
Deals with sidewalk contracts, cost of maintenance and construction, relative merits of brick, artificial stone, crushed stone and tar concrete sidewalks, and makes various recommendations.

11. Openings in Streets and Sidewalks

Dillon, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
See index under Sidewalks and Streets.

MacGregor, F. H. Digest of ordinances of various cities requiring deposits for street openings. Madison, 1909. 4 pp. (typewritten).

McQuillin, Eugene. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
See index under Sidewalks and Streets.

Street openings. Practice in 49 cities regarding making house connections for sewers, water and gas mains. Licensing and bonding plumbers. Municipal Journal, xxxvi, pp. 394–395 (March 19, 1914).

SECTION XXX. PARKS

1. Lists of References

Blackmar, F. W. Playgrounds and parks. Lawrence, 1910. 12 pp. (University of Kansas. Bulletin xi, no. 2, Pt. 1; social betterment series, no. 1.)
Bibliography, pp. 10–11.

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Parks, playgrounds, etc., pp. 212–216.

Harvard University. Department of Social Ethics. A guide to reading in social ethics and allied subjects. Cambridge, 1910. 265 pp.
List of references on public recreation, pp. 132–137.

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–71 (April, 1908).
Parks and playgrounds, pp. 56–58.

KING, IRVING. Social aspects of education. New York, 1912. 425 pp.
Selected bibliography of play and playgrounds, pp. 126–128.

LEE, JOSEPH. Playgrounds. Boston, 1907. 11 pp. (American Civic Association. Department of Public Recreation. Department leaflet no. 7.)

New York City. Public Library. Select list of works relating to city planning and allied subjects. Bulletin, xvii, pp. 930–960 (November, 1913).
Parks and recreation, pp. 953–956.

REYNOLDS, J. B., editor. Civic bibliography for Greater New York. New York, 1911. 296 pp. (Russell Sage Foundation publication.)
Parks and playgrounds, pp. 241–247.

Russell Sage Foundation. Recreation bibliography. New York, 1912. 37 pp.
The best and most inclusive list covering all phases of the subject.

United States. Library of Congress. Division of Bibliography. In collaboration with Harvard University. Department of Landscape Architecture. Check list of references on city planning. Special Libraries, iii, pp. 61–123 (May, 1912).
Parks, etc., *passim*.

2. GENERAL DISCUSSIONS AND REPORTS

American Academy of Political and Social Science. Public recreation facilities. Annals, xxxv, no. 2 (March, 1910). Philadelphia, 1910. 232 pp.

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.
Ch. xxxii (pp. 224–236), Municipal parks.

BARKER, H. A. The park in its relation to physical geography and the city plan. Charities, xix, pp. 1506–1512 (February, 1908).

BEARD, C. A. American city government. New York, 1912. 420 pp.
Ch. xiii (pp. 334–355), Municipal recreation.

BLACKMAR, F. W. Playgrounds and parks. Lawrence, 1910. 12 pp. (University of Kansas. Bulletin xi, no. 2, Pt. 1; social betterment series no. 1.)

BRITTON, N. L. The need of parks, gardens and playgrounds. In Municipal chemistry, edited by Charles Baskerville, ch. xxx (pp. 497–503). New York, 1911. 526 pp.

COBURN, F. W. Recent developments in American park systems. New England Magazine, n. s., xxix, pp. 661–670 (February, 1904).

CRAWFORD, A. W. The development of park systems in American cities. Annals of the American Academy of Political and Social Science, xxv, pp. 218–234 (March, 1905).

GROOT, E. B. DE. Recreation facilities in public parks. American City, x, pp. 9–15 (January, 1914).

HARMON, W. E. The commercial value of parks. Survey, xxiii, pp. 814–816 (February 26, 1910).

JONES, BEATRIX. City parks. Municipal Affairs, iii, pp. 687–690 (December, 1899).

KELSEY, F. N. Parks and tree planting in cities. *Ibid.*, v, pp. 675–683 (September, 1901).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Parks and boulevards, ii, pp. 610–613. References, p. 613.

MALTBIE, M. R. Parks in the United States and abroad. Municipal Affairs, ii, pp. 609–617 (December, 1898).

NOLEN, JOHN. Parks and recreation facilities in the United States. Annals of the American Academy of Political and Social Science, xxxv, pp. 217–228 (March, 1910).

——, compiler. Some examples of the influence of public parks in increasing city land values. Landscape Architecture Quarterly, iii, pp. 166–175 (July, 1913).

OLMSTED, F. L. Park department organization. *Ibid.*, iv, pp. 150–166 (July, 1914).

——, and NOLEN, JOHN. American cities and public open spaces. Charities and the Commons, xvi, pp. 411–426 (July, 1906).

PENTECOST, G. F., Jr. City gardens. Architectural Record, xiv, pp. 50–61 (July, 1903).

PERRETT, A. R. Stimulating appreciation of our public parks. American City, ix, pp. 415–420 (November, 1913).

ZUEBLIN, CHARLES. American municipal progress; chapters in municipal sociology. New York, 1903. 380 pp.
Ch. viii (pp. 241–275), Development of parks and boulevards in American cities.

Art and life, and the building and decoration of cities. London, 1897. 260 pp.
A series of lectures by members of the Arts and Crafts Exhibition Society, delivered at the fifth exhibition, in 1896. Ch. iv (pp. 169–210), Public spaces, parks and gardens, by Reginald Bloomfield.

Parks for the people. Craftsman, xxii, pp. 518–524 (August, 1912).

3. PARK STATISTICS

United States. Bureau of the Census. Statistics of cities having a population of over 30,000. Washington. Published annually since 1905.
See index under Parks.

4. PARK PLANNING AND CONSTRUCTION

CRAWFORD, A. W., and DAY, F. M. The existing and proposed outer park systems of American cities. Harrisburgh, 1905. 61 pp.

MANNING, W. H. Park design and park planting. Reports, American Park and Outdoor Art Association, 1st, pp. 50–54 (1897).
See also Park and Cemetery, vii, pp. 75–77 (June, 1897).

MERWIN, H. B. Park making as a national art. World's Work, i, pp. 293–303 (January, 1901).
See also Current Literature, xxx, pp. 747–748 (January, 1901).

PINCUS, HENRY. Common errors in park construction. Street Railway Journal, xvi, pp. 460–462 (May 5, 1900).

ROBINSON, C. M. The improvement of towns and cities. 4th edition. New York, 1913. 313 pp.
Ch. ix (pp. 152–171), Parks and drives; ch. x (pp. 172–185), Squares.
See also City Planning.

5. THE PARK SYSTEMS IN VARIOUS AMERICAN CITIES

Baltimore.

OLMSTED BROTHERS. Report upon the development of public grounds for Greater Baltimore. Baltimore, 1904. 120 pp.

SCOTT, S. S. Baltimore, the city of parks. Municipal Engineering, xliv, pp. 178–182 (March, 1913).

Boston. DE LAS CASAS, W. B. The Boston metropolitan park system. Annals of the American Academy of Political and Social Science, xxxv, pp. 280–286 (March, 1910).
See also New England Magazine, n. s., xli, pp. 579–588 (January, 1910).

Buffalo. RICHARDSON, A. C. Parks and public playgrounds in Buffalo. Annals of the American Academy of Political and Social Science, xxvi, pp. 761–771 (November, 1905).

Chicago.

BUCKINGHAM, G. T., and GROOT, E. B. DE. Chicago's park system. Chicago City Club Bulletin, vi, pp. 154–159 (May 2, 1913).

Report of the special park commission to the city council of Chicago. Chicago, 1905. 149 pp.
A comprehensive report prepared by D. H. Perkins. See also Architectural Record, xxiv, pp. 19–30 (July, 1908), and World To-Day, xiii, pp. 902–912 (September, 1907).

Kansas City, Mo.

LOWRY, J. H. Kansas City park system. Municipal Engineering, xlix, pp. 3–8 (January, 1913).

WEIRICK, R. F. The park and boulevard system of Kansas City, Mo. American City, iii, pp. 211–218 (November, 1910).

Minneapolis, Minn. Minneapolis park system. Municipal Engineering, xliv, pp. 28–33 (January, 1913).

New London, Conn. NOLEN, JOHN. General plan of a park and playground system for New London, Conn. Boston, 1913. 41 pp.

New York City. Bureau of Municipal Research. The park question. 2 vols. New York, 1908.

See also Review of Reviews, xxxv, pp. 576–578 (May, 1907); and J. B. Reynolds, Civic bibliography for Greater New York, pp. 241–247. New York, 1911. 296 pp.

Philadelphia. CRAWFORD, A. W. City planning and Philadelphia parks. Annals of the American Academy of Political and Social Science, xxxv, pp. 71–80 (March, 1910).

See also Outlook, lxxvii, pp. 35–44 (May 7, 1904).

Providence, R. I. Rhode Island. Board of Metropolitan Park Commission. The metropolitan park system of Providence. Report upon a system of public reservation for the metropolitan districts of Providence plantations. Providence, 1905. 64 pp.

Rochester, N. Y. The origin and development of Rochester's park system. By a veteran reporter. Rochester, 1908. 64 pp.

Washington, D. C. ROOT, R. R. Intensive park development in Washington. American City, vii, pp. 417–421 (November, 1912).

6. PARK ADMINISTRATION AND FINANCE

American Association of Park Superintendents. Proceedings of annual conventions. First, 1899. Harrisburgh. Published annually.

——. Bulletins. No. 1, June, 1906. Harrisburgh. Published irregularly.

Chicago. Bureau of Public Efficiency. The park governments of Chicago: an inquiry into their organization and methods of administration. Chicago, 1911. (Bulletins, no. 15 and 16 (December, 1911).)

KESSLER, G. E. Actual distribution of the cost of Kansas City parks and boulevards. Proceedings, Fifth National Conference on City Planning, pp. 140–146 (1913). Discussion, pp. 147–162.

See also American City, viii, pp. 575–581 (June, 1913).

OWEN, J. The care and maintenance of parks. Proceedings, American Society of Municipal Improvements, 1907, pp. 171–180.

PARKER, G. A. Making the parks self-supporting. Park and Cemetery, xxii, pp. 262–265 (January, 1913).

See also Suburban Life, xvi, pp. 78, 126–129 (February, 1913).

RICHARDS, H. S. The maintenance and development of parks. Proceedings, American Society of Municipal Improvements, 1911, pp. 22–23.

United States. Bureau of the Census. Suggested standard forms for uniform reports of the financial transactions and physical statistics of parks. Prepared by L. G. POWERS. Washington, 1911. 15 pp.

WAHL, CHRISTIAN. The duties of park commissioners. Reports, Park and Outdoor Art Association, 2d, pp. 132–136 (1898).

See also City Planning.

SECTION XXXI. BRIDGES

1. LISTS OF REFERENCES

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Bridges, p. 32.

New York City. Public Library. List of works relating to bridges and viaducts. Bulletin, ix, pp. 295–329 (August, 1905).

2. GENERAL DISCUSSIONS

BOWEN, S. W. Municipal bridge approach, St. Louis. Engineering News, lxix, pp. 94–100 (January 16, 1913).

JONES, D. A. A treatise on the negligence of municipal corporations. New York, 1892. lxviii, 588 pp.

Ch. xiii (pp. 209–219), Bridges — negligent construction; ch. xiv (pp. 223–236), Bridges — neglect to repair.

KOESTER, FRANK. Bridges and bridge approaches. American City, viii, pp. 467–472 (May, 1913).

The fourth of a series of articles on engineering in city planning, embodying some of the many practical lessons which American cities may learn from European practice.

New York City. City Club. The Brooklyn bridge problem and its solution. New York, 1905. 26 pp.

——. Department of Bridges. Annual report for the year ending December 31, 1912. Embracing a summary of reports for the years 1905–1912 inclusive. New York, 1913. 357 pp.

No reports were printed since that for 1904.

——. Municipal Art Society. Discussion of Manhattan bridge plans, with general reference to municipal procedure in planning public works. New York, 1904. 24 pp. (Bulletin no. 13.)

PERKINS, A. T. Municipal bridge commission of St. Louis. Journal of Political Economy, xv, pp. 412–420 (July, 1907).

Pittsburgh. Civic Commission. The city and the Allegheny river bridges; recommendations for bridge heights and pier locations to meet the various transportation needs of Pittsburgh, by T. W. SYMONDS and F. L. OLMSTED. Pittsburgh, 1910. 37 pp. (Publication no. 3.)

St. Louis. Municipal Bridge and Terminals Commission. Reports to the municipal assembly. 1st to 5th, 1905–1908. 5 vols. St. Louis, 1905–1908.

SCHUYLER, MONTGOMERY. New York bridges. Architectural Record, xviii, pp. 243–262 (October, 1905).

THOMSON, T. K. Bridges of New York City. Engineering Magazine, xxxvii, pp. 913–928; xxxviii, pp. 49–69 (September, October, 1909).

TYRRELL, H. G. The aesthetic treatment of bridges. American City, ix, pp. 404–411 (November, 1913).

Maintenance of great city bridges. Engineering Record, lxvii, pp. 98–101 (January 25, 1913).

Relates to the bridges of New York City.

SECTION XXXII. DOCKS AND HARBORS

1. List of References

Seattle, Wash. Public Library. Harbors and docks. List of books and references of periodicals in the Seattle Public Library. 40 pp. (Reference List no. 5 (February, 1913).)

2. General Discussions

American Academy of Political and Social Science. Port administration and harbor facilities; a symposium. Annals, xxix, pp. 357–400 (March, 1907).

Austen, H. C. M. The physical difficulties of modern harbor and dock extension. Engineering, lxxxv, pp. 44–45 (January 10, 1908).

Baterden, J. R. Notes on harbor engineering. Engineer (London), ciii, pp. 338–339 (April 5, 1907).

Byall, J. B. The American system of improving and administering commercial facilities. Annals of the American Academy of Political and Social Science, xxiv, pp. 489–506 (November, 1904).

Crowell, Foster. Modern wharf improvements and port facilities. Engineering Magazine, xiv, pp. 12–31, 205–224, 444–463 (October, November, December, 1897).

Cunningham, Brysson. A treatise on the principles and practice of dock engineering. 2d edition. London, 1910. 598 pp.

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.
Docks and harbors, pp. 302–307.

Hodgdon, F. W. Notes collected in relation to docks and harbors in Great Britain, France, and Belgium in the summer of 1906. Journal, Association of Engineering Societies, xxviii, pp. 116–139 (March, 1902).

Hooker, G. E. Water terminal problem. Proceedings, Third National Conference on City Planning, pp. 131–133 (1911).

KOESTER, FRANK. Docks and harbor improvements. American City, ix, pp. 33–38 (July, 1913).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Harbor systems, ii, p. 110.

National Association of Port Authorities of the United States. Proceedings of meetings. First, 1912. New York, 1913.

OWEN, DOUGLAS. Ports and docks; their history, working and national importance. London, 1904. 179 pp.

PEABODY, R. S. A holiday study of cities and ports. Notes of travel offered to the commission on the improvement of metropolitan Boston by one of its members. Boston, 1908. 52 pp.

SHIELD, WILLIAM. Principles and practice of harbour construction. New York, 1910. 299 pp.

SIKES, G. C. Survey of American dock development. Proceedings, Third National Conference on City Planning, pp. 134–146 (1911).

STEPHENS, G. W., and CORVIL, F. W. Report on British and continental ports with a view to the development of the port of Montreal and Canadian transportation. Ottawa, 1908. 95 pp.
Includes the ports of Antwerp, Bristol, Cardiff, Glasgow, Hamburg, Havre, Liverpool, London, Manchester, Marseilles, Montreal, and Newcastle-on-Tyne.

TOMKINS, CALVIN. Seaport congestion and its relation to transportation and terminal facilities. Proceedings, Second National Conference on City Planning and the Problems of Congestion, pp. 136–139 (1910).

TURNER, W. Ports, ancient and modern. Westminster Review, clxxvii, pp. 249–259 (March, 1912).

United States. Department of State. European waterways. Reports of consular officers of the United States, located in Germany, Austria Hungary, France, Belgium, and the Netherlands, on river and harbor improvements in their respective districts. Washington, 1909. 138 pp. (National Waterways Commission. Doc. no. 7.)

United States. Office of Naval Intelligence. Coaling, docking, and repairing facilities of the ports of the world. 5th edition. Washington, 1909. 239 pp.

See also City Planning.

3. Special Descriptive Discussions

American Academy of Political and Social Science. Annals, xxix, pp. 357–400 (March, 1907).

Contains a symposium on port administration and harbor facilities in various cities.

Baltimore.

Lackey, O. F. Baltimore harbor improvements. Proceedings, Third National Conference on City Planning, pp. 179–183 (1911).

New municipal piers in Baltimore harbor. Engineering Record, lix, pp. 592–595 (May 8, 1909).

Boston.

Harbor and terminal improvements at Boston. Engineering News, lxvi, pp. 532–536 (November 2, 1911).

Massachusetts. Metropolitan Improvement Commission. Public improvements for the metropolitan district. Boston, 1909. 318 pp.

Chicago.

Bement, A., Abbott, W. L., and others. The Chicago harbor problem. Report of the committee and discussion. Journal of the Western Society of Engineers, xv, pp. 148–187 (April, 1910).

Chicago Harbor Commission. Report to the mayor and aldermen of the city of Chicago. Chicago, 1909. 383 pp.

Ewen, J. M. The Chicago harbor. Journal of the Western Society of Engineers, xiv, pp. 745–783 (December, 1909).

Sikes, G. C. Report on the Chicago dock problem, with special reference to the questions of municipal ownership and leasing policy. Chicago, 1909. 81 pp.

Los Angeles, Cal. Gibbon, T. E., and Fleming, A. P. Los Angeles harbor, the great artificial port in San Pedro Bay. Proceedings, Third National Conference on City Planning, pp. 171–178 (1911).

New Jersey. Harbor Commission. New Jersey's relation to the port of New York. Fourth preliminary report. Jersey City, February, 1914. 214 pp.
The administration of foreign and American ports, pp. 88–164.

New Orleans.

LEWIS, S. F. The improvement of New Orleans harbor. Journal of the Association of Engineering Societies, xlvii, pp. 159–173 (November, 1911).

Louisiana. Board of Commissioners of the Port of New Orleans. Facts about the port of New Orleans. New Orleans, 1912. 51 pp.

LYSONS, J. W. The port of New Orleans. Seattle Municipal News, ii, pp. 3, 5, 7–8 (June 15, 1912).
Favors municipal ownership.

New York City.

Department of Docks and Ferries. Reports. New York, 1910–1912.
Sixteen reports which cover different phases of New York terminal facilities.

TOMKINS, CALVIN. Organization of the port of New York. Proceedings, Third National Conference on City Planning, pp. 147–161 (1911).

Philadelphia.

HASSKAR, J. F. Philadelphia harbor improvements. *Ibid.*, pp. 162–170.

WEBSTER, G. S. The improvement of the Delaware river and harbor and the landing facilities of the port of Philadelphia. Journal of the Franklin Institute, clx, pp. 161–179 (September, 1905).

San Francisco. STAFFORD, W. V. The state wharves of San Francisco, a lucrative property. Overland Monthly, lvi, pp. 343–352 (October, 1910).

Seattle, Wash.

BRIDGES, ROBERT. Public ownership of docks and railway terminal facilities means the industrial and commerical supremacy of the city of Seattle. Seattle, 1912. 16 pp.

Seattle, Wash. (continued).

Port of Seattle Year Book. 1914. History and resources of the port of Seattle. Annual reports of the port commission, port warden, etc. Seattle, 1914. 264 pp.

Municipal Plans Commission. Plan of Seattle. Seattle, 1911. 190 pp.

Harbor improvements, pp. 71–81; port of Seattle, pp. 82–142.

CHAPTER V

PUBLIC UTILITIES

SECTION XXXIII. WATER SUPPLY

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Water supply and waterworks, pp. 169, 302–310. Contains references to many older volumes, reports and periodical articles relating to water-supply problems in both America and Europe.

Engineering Index Annual. New York, 1907.
Water supply, *passim*. A list compiled from the engineering index which has been published monthly in the Engineering Magazine since 1906.

London County Council. London water supply, with a bibliography of the principal reports and papers on the subject. London, 1905. 65, 135 pp.

Turneaure, F. E., and Russell, H. L. Public water supplies. 2d edition. New York, 1913. 808 pp.
Excellent lists at the end of each chapter.

United States. Superintendent of Documents. United States public documents relating to health and hygiene including water pollution and purification, food and diet, etc. 3d edition. Washington, 1902. 72 pp. (Price list no. 51.)

2. History of Water Supply

Baker, M. N., editor. Manual of American waterworks. 4th issue. New York, 1897. 611 pp.
Contains the history and description of public water-supply systems in the United States and Canada.

D'Avigdor, E. H. Waterworks, ancient and modern. Engineering, xxi, pp. 403–404, 457–458, 500–502; xxii, pp. 7–8, 27–28, 103, 155, 200–204, 292–293, 334–336 (May 19–October 20, 1876).

Fisher, W. J. London water supply; old and new. Westminster Review, clxiii, pp. 31–38 (January, 1905).

HERSCHEL, CLEMENS. The two books on the water supply of the city of Rome of Sextus Julius Frontinus. Boston, 1899. 296 pp.
A translation of Frontinus with comments on the water-supply system of ancient Rome.

LANCIANI, RODOLFO. The ruins and excavations of ancient Rome. Boston, 1897. 619 pp.
See especially pp. 57–64, 223, 269, 299.

TURNEAURE, F. E., and RUSSELL, H. L. Public water supplies. 2d edition. New York, 1913. 808 pp.
Ch. i (pp. 1–14), Historical sketch (with bibliography).

WEGMAN, E. Ancient and modern water works. Proceedings, American Water Works Association, 1912, pp. 1–34.
Describes particularly the water systems of Rome and of New York.

3. ELEMENTARY DISCUSSIONS

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.
Ch. ix, Water and its distribution; ch. x, Water purification; ch. xi, Water consumption and waste prevention.

BASKERVILLE, C., editor. Municipal chemistry. New York, 1911. 526 pp.
Ch. ii, Drinking water and disease, by W. P. Mason; ch. iii, Municipal water supply, by A. D. Flinn; ch. iv, Purification of water, by W. P. Mason.

CORFIELD, W. H. Water and water supply. 2d American edition. New York, 1890. 144 pp.
An elementary volume in the Van Nostrand science series.

ENCYCLOPAEDIA BRITANNICA. 11th edition. New York, 1911. 29 vols.
Water supply, xxviii, pp. 387–409.

GOULD, E. S. The elements of water supply engineering. New York, 1899. 168 pp.
An excellent brief manual issued by the Engineering News Publishing Company.

HAZEN, ALLEN. Clean water and how to get it. 2d edition. New York, 1914. 196 pp.
The clearest and most helpful short work on the subject for the average citizen's use.

MIDDLETON, R. E. Water supply. London, 1903. 168 pp.
A student's handbook on the conditions governing the selection of sources and the distribution of water.

TURNEAURE, F. E. Water supply. Chicago, 1908. 143 pp.
Issued by the Armour Institute, Chicago. It covers briefly the entire field of water supply and consumption, construction of wells, reservoirs, pipe lines, and purification plants.

WHIPPLE, G. C. The value of pure water. New York, 1907. 84 pp.
"The whole study is intended merely to illustrate the fact that an impure water-supply affects not only the health and comfort of a community, but also the individual pocketbooks of the people." Pt. I. The value of pure water; Pt. II. What is pure and wholesome water? Pt. III. The disadvantages of hard water.

4. TECHNICAL DISCUSSIONS AND TREATISES

BINNIE, A. R. Rainfall reservoirs, and water supply. New York, 1913. 157 pp.
Considers some of the more important points in water-works engineering.

MASON, W. P. Water supply. New York, 1902. 448 pp.
Considers water supply principally from a sanitary standpoint.

RIDEAL, SAMUEL, and E. K. Water supplies; their purification, filtration and sterilization. New York, 1915. 274 pp.
A British book, dealing chiefly with sources of supply, quality and methods of treatment. Gives unusual attention, for an English book, to American theory and practice.

THRESH, J. C. Water and water supplies. 3d edition. Philadelphia, 1901. 527 pp.
A careful discussion dealing with the various sources of water; analysis, purification, and protection of water supplies; storage, distribution, and charges for water; and rural and village water supplies.

TURNEAURE, F. E., and RUSSELL, H. L. Public water supplies. 2d edition. New York, 1913. 808 pp.
Covers every branch of the subject.

VERNON-HARCOURT, L. F. Sanitary engineering with respect to water supply and sewage disposal. London, 1907. 419 pp.
Water supply, pp. 1–284. Deals with ancient waterworks; sources of water supply; wells; lakes and storage reservoirs; earthen and rubble dams; masonry dams; intakes, and conveyance and storage of supply; purification of water supplies; and distribution.

5. Sources of Supply

Hill, J. W. The purification of public water supplies. New York, 1898. 304 pp.

Ch. ii (pp. 14–40), Sources of public water supply.

Mathews, J. L. The conservation of water. New York, 1910. 289 pp.

Contains chapters on: water as a resource; floods and flood prevention; storage; municipal supply and the purification of rivers; swamp drainage; etc.

Turneaure, F. E., and Russell, H. L. Public water supplies. 2d edition. New York, 1913. 808 pp.

Especially ch. iii–vii (with bibliographies).

Turner, J. H. T., and Brightmore, A. W. Principles of waterworks engineering. 3d edition. New York, 1907. 429 pp.

Ch. i (pp. 1–34), The sources of water supply.

6. Water-supply Engineering and Construction

Folwell, A. P. Water supply engineering: the designing, construction and maintenance of water-supply systems, both city and irrigation. New York, 1909. 576 pp.

Commonly recognized as a standard work on the subject.

Goodell, John. Water-works for small cities and towns. New York, 1899. 286 pp.

Contains excellent material relating to design and construction of small plants.

Hague, C. A. Pumping engines for water works. New York, 1907. 372 pp.

Describes and discusses the design of pumping stations, also every recognized type of pumping equipment.

Schuyler, J. D. Reservoirs for irrigation, water-power, and domestic water supply. New York, 1909. 573 pp.

The design and construction of masonry, earthen, steel, and reinforced concrete dams and reservoirs, with appendix containing tabulated data on cost per acre-foot of reservoir construction.

Turner, J. H. T., and Brightmore, A. W. Principles of waterworks engineering. 3d edition. New York, 1907. 429 pp.

An orderly statement of the matters that especially occupy the attention of the engineer engaged in the construction of water works.

TURNEAURE, F. E., and RUSSELL, H. L. Public water supplies. 2d edition. New York, 1913. 808 pp.
Especially ch. xi–xviii (with bibliographies).

7. WATER-SUPPLY MANAGEMENT AND MAINTENANCE

HEIM, J. B. Management of water works. Proceedings, American Water Works Association, 1902, pp. 81–90.
Outlines a few of the things a superintendent should look out for.

HUBBARD, W. D., and KIERSTED, WYNKOOP. Waterworks management and maintenance. New York, 1907. 429 pp.
Contains chapters on: water-consumption records; service connections; meters; care of mains; alterations and repairs; water waste; electrolysis of pipes; accounts; financial management; water regulations; water reports; water rates; depreciation; allowances; etc.

TURNEAURE, F. E., and RUSSELL, H. L. Public water supplies. 2d edition. New York, 1913. 808 pp.
Ch. xxix (pp. 778–795), Operation and maintenance (with bibliography).

8. WATER ANALYSIS

American Public Health Association. Standard methods for the examination of water and sewage. 2d edition. New York, 1912. 144 pp.
The recognized authority on methods of analysis, compiled by the laboratory section of the association.

BAKER, M. N. Potable water and methods of detecting impurities. 2d edition. New York, 1906. 105 pp.
A useful, non-technical little volume in the Van Nostrand science series.

LEFFMAN, HENRY. Examination of water for sanitary and technic purposes, by chemical and bacteriologic methods. 6th edition. Philadelphia, 1909. 144 pp.
A standard text-book of water analysis.

MASON, W. P. Examination of water. 3d edition. New York, 1906. 155 pp.
A technical work on chemical and bacteriological analysis of water.

PRESCOTT, S. C., and WINSLOW, C.-E. A. Elements of water bacteriology, with special reference to sanitary water analysis. 3d edition. New York, 1913. 318 pp.
Contains a full list of references to works on the subject, pp. 281–306.

RAFTER, G. W. The microscopical examination of potable water. New York, 1892. 160 pp.

An older volume in the Van Nostrand science series, but still regarded as a useful elementary treatise.

THRESH, J. C. The examination of waters and water supplies. 2d edition. Philadelphia, 1913. 644 pp.

Deals with: Pt. I. The examination of the sources from which water is derived; Pt. II. Various methods of examining water and interpretation of the results; Pt. III. Analytical processes and methods of examination.

WHIPPLE, G. C., and BUNKER, J. W. M. The microscopy of drinking water. 3d edition revised. New York, 1914. 409 pp.

A complete account of the relation of microscopic organisms, other than bacteria, to water supplies, with a chapter on the use of the microscope, and a full bibliography.

9. WATER PURIFICATION

(*a*) *Elementary discussions*

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Ch. x (pp. 76–83), Water purification.

BRIDGE, J. H. The purification of public water supplies; a comparison in methods, costs and results. New York, 1908. 40 pp.

A brief outline.

CAIRD, J. M. The efficiency of the American process of water filtration. Proceedings, American Water Works Association, 1908, pp. 371–458.

Discusses the success of the rapid sand filter, with illustrations from a number of cities.

ELLMS, J. W. Disinfection of public water supplies. American City, ix, pp. 564–568 (December, 1913).

Suggests reasons for the disinfection of drinking water in addition to its purification. Describes the methods of using chlorine, ozone, and ultra-violet rays.

HAZEN, ALLEN. Clean water and how to get it. 2d edition. New York, 1914. 196 pp.

Treats of all standard purification methods in an enlightening and interesting way. By far the best short sketch of this subject.

JOHNSON, G. A. The purification of public water supplies. Washington, 1913. 84 pp. (United States Geological Survey. Water Supply Paper, no. 355.)

Presents methods of filtration and sterilization, with references to the experience of cities using the different systems.

——. Present-day water filtration practice. Journal, American Water Works Association, i, pp. 31–80 (March, 1914).

See also discussion in *Ibid.*, i, pp. 466–522 (September, 1914).

MASON, W. P. The purification of water. In Municipal chemistry, edited by C. Baskerville, ch. iv (pp. 71–79). New York, 1911. 526 pp.

TILLMANS, JOSEF. Water purification and sewage disposal. Translated by H. S. Taylor. New York, 1913. 143 pp.

Water purification, pp. 1–62. Describes various filtration and sterilization processes, with frequent references to plants in German cities.

WHIPPLE, G. C. Clean water as a municipal asset. American City, iv, pp. 161–165 (April, 1911).

Emphasizes the need of clean water as well as a supply that is free from harmful bacteria. Points out necessity of different treatment for supplies coming from different sources.

——. Standards of purity for rivers and waterways. *Ibid.*, vii, pp. 559–561 (December, 1912).

A committee report submitted at the joint meeting of the Great Lakes International Pure Water Association and the National Association for Preventing the Pollution of Rivers and Waterways, at Cleveland (October, 1912).

(*b*) *Technical discussions and treatises*

DIBDIN, W. J. The purification of sewage and water. 3d edition. New York, 1903. 380 pp.

Brief discussion of filtration and aeration of water (pp. 233–288) with examples chiefly from English experience.

DON, JOHN, and CHISHOLM, JOHN. Modern methods of water purification. London, 1913. 398 pp.

A substantial English discussion with excellent illustrations, diagrams and tables. Contains a selected bibliography, pp. 386–389.

FUERTES, J. H. Water filtration works. New York, 1901. 283 pp.

Describes the construction and operation of slow and rapid sand filters, in accordance with the practice of a decade ago.

HAZEN, ALLEN. The filtration of public water supplies. 3d edition. New York, 1900. 321 pp.

One of the best-known and most widely-used works on the subject. It is still the leading book, particularly on slow sand filtration, but has not been brought down to date. It embodies figures relating to the nature and extent of filtration works in America and abroad, with general descriptions of the more important among them. Contains list of references, pp. 277–287.

HOUSTON, A. C. Studies in water supply. London, 1913. 204 pp.

Considers chiefly various methods of purification and analysis; also the effect of impure water. Draws largely on the wide experience of the author in connection with the water supply of London.

HOWE, FREELAND. Scientific aspect of water purification. Pittsburgh, 1906. 53 pp.

A short technical work giving formulas and applying the principles of physical chemistry.

KELLERMAN, K. F., and BECKWITH, T. D. The effect of copper upon water bacteria. United States Department of Agriculture. Bureau of Plant Industry. Bulletin no. 100, pp. 57–71. Washington, 1907.

Gives results of treating different kinds of bacilli with copper or its salts.

——, PRATT, R. W., and KIMBERLY, A. E. The disinfection of sewage effluents for the protection of public water supplies. Washington, 1907. 47 pp. (*Ibid.*, Bulletin no. 115.)

TURNEAURE, F. E., and RUSSELL, H. L. Public water supplies. 2d edition. New York, 1913. 808 pp.

Ch. xix, Objects and methods of purification; ch. xx, Sedimentation; ch. xxi, Slow sand filtration; ch. xxii, Rapid sand filtration; ch. xxiii, Miscellaneous purification processes. Literature at end of each chapter.

WEST, F. D. Disinfecting Philadelphia's water supply. Municipal Journal, xxxvi, pp. 771–779 (May 28, 1914).

A technical discussion of disinfection with chloride of lime and liquid chlorine, giving experiences at Torresdale filtration plant.

WESTON, R. S. The purification of ground waters containing iron and manganese. Transactions, American Society of Civil Engineers, lxiv, pp. 112–207 (1909).

A full discussion of the subject.

Water purification plants. Municipal Journal, xxxv, pp. 318–320 (September 4, 1913).

Tables showing methods of purification employed in 120 cities, with 86 municipal and 34 privately-owned plants. Processes tabulated are sedimentation, filtration, treatment with alum, hypochlorite, copper sulphate, treatment for algae, aeration, and softening.

10. The Protection of Water Supply from Algae

Moore, G. T. The contamination of public water supplies by algae. United States Department of Agriculture Yearbook, 1902, pp. 175–186.

Considers various kinds of algae and briefly outlines the means used to prevent them from polluting water supply.

——, and Kellerman, K. F. The method of destroying or preventing the growth of algae in water supplies. Washington, 1904. 44 pp. (United States Department of Agriculture. Bureau of Plant Industry. Bulletin no. 64.)

Discussion of kinds of algae and troubles caused by them; advocates use of copper sulphate to prevent the bad effects due to algae.

——. Copper as an algicide and disinfectant in water supplies. Washington, 1905. 55 pp. (*Ibid.* Bulletin no. 76.)

Supplements Bulletin 64. A discussion of actual experience; attempts to arrange and correlate the results of laboratory work and practical applications of the method. Shows that copper in drinking water is not harmful to man.

11. The Water Supply of Foreign Cities

Annuaire statistique et descriptif des distributions d'eau de France, Algérie, Tunisie, Belgique, Suisse et grand-duché de Luxembourg. Vol. i, 1903. Paris. Issued annually.

Deutscher Verein von Gas und Wasserfachmännern. Zusammenstellung des Betriebs-Ergebnisse von Wasserwerken, 1913. Statistische. Berlin, 1914.

Water works directory and statistics. London: Hazell, Watson and Viney. Published annually since 1877.

A directory of the waterworks of Great Britain and Ireland, containing names of officials and various statistics, arranged alphabetically by cities.

United States. Department of Commerce and Labor. The water supply of foreign cities. Daily Consular and Trade Reports, no. 6, pp. 81–87 (January 9, 1911).

Berlin.

Bericht über die Gemeinde-Verwaltung der Stadt Berlin. No. 1, 1901–1905. Berlin, 1907. Published quinquennially.
The latest publication covers the years 1906–1910 (2 vols. 1912).

London.

Local Government Board. Metropolitan water supply. London, 1913. 32 pp.

SHADWELL, ARTHUR. The London water supply. London, 1899. 272 pp.
Gives history of the London water companies and takes up the question of public control.

SISLEY, RICHARD. The London water supply — a retrospect and a survey. London, 1899. 192 pp.
Considers chiefly: (1) the sources of supply; (2) the methods of purification; (3) the quality supplied; and (4) the storage capacity of reservoirs — for each of the London water companies.

Paris.

Commission scientifique de perfectionnement de l'observatoire municipal de Montsouris. Travaux de l'année 1902 sur les eaux d'alimentation et les eaux d'égouts de la ville de Paris. Procès-verbaux de la Commission. Rapport de la surveillance médicale des sources. Étude des eaux dérivées. Étude sur la filtration des eaux d'alimentation. Étude sur l'épandage des eaux d'égouts. Paris, 1903. 420 pp.

Conseil Municipal. Rapport sur le service des eaux à Paris, présenté par AMBROISE RENDU. Paris, 1904. 57 pp.

IMBEAUX, E. Les eaux de Paris, Versailles et la banlieue. Paris, 1903. 138 pp.

London County Council. Report on the Paris water supply. By A. R. BINNIE. London, 1894. 26 pp.

12. THE WATER SUPPLY OF AMERICAN CITIES

(Boston, Chicago, New York, Los Angeles, and San Francisco)

Boston.

Metropolitan Water Board. Water supply and work of the metropolitan water district. Boston, 1900. 43 pp.
A brief report telling of the formation of the metropolitan water district and describing the water system. Has some good illustrations.

Boston (continued).

Metropolitan Water and Sewerage Board. Annual reports since 1901. Boston.

Chicago.

ERICSON, JOHN. Chicago waterworks — history, plants, etc. Journal, Western Society of Engineers, xviii, pp. 763–796 (October, 1913).

A brief history of the system with recommendations for certain improvements.

MAURY, D. H. The water works system of Chicago. Chicago, 1911. 52 pp.

A report of the Chicago Commission on City Expenditures analyzing the condition of the system, giving tables and diagrams of costs, and suggesting some changes.

THURSTON, H. W. The history of Chicago's water supply. Chicago, 1902.

Los Angeles.

BRENNECKE, OLGA. How Los Angeles built the greatest aqueduct in the world. Craftsman, xxiii, pp. 188–196 (November, 1912).

Outlines briefly the conditions leading to the building of the aqueduct by the city; has some very good illustrations.

Bureau of the Los Angeles Aqueduct. Annual reports, i–vii. Los Angeles, 1906–1912.

Give full information on the progress of the work, with good charts and illustrations. Contain reports of the engineering, stores, accounting and legal departments, covering all phases of the work.

HEINLY, B. A. Construction and completion of the Los Angeles aqueduct. Engineering Magazine, xlv, pp. 1–17 (April, 1913).

A clear and concise summary of the history and construction of the aqueduct.

HURLBUT, W. W. Completion of the Los Angeles aqueduct. Engineering Record, lxviii, pp. 482–486 (November 1, 1913).

A good brief description from an engineering standpoint.

New York City.

Board of Water Supply. Annual reports. First, 1906. New York, 1907.

Contain much valuable material.

New York City (continued).

——. Catskill water supply. New York, 1912. 186 pp.

——. Catskill water supply. New York, 1913. 32 pp.
A brief general description with plans of the work.

FREEMAN, J. R. Report on New York's water supply. New York, 1900. 587 pp.

WHITE, LAZARUS. The Catskill water supply of New York City. New York, 1913. 755 pp.
A full record of the history and construction of the Catskill aqueduct by one who was in direct contact with the work.

San Francisco.

CHITTENDEN, H. M., and POWELL, A. O. The water supply of San Francisco. San Francisco, 1912. 44 pp.
A report on the system of the Spring Valley Water Company. The salient features of the dispute between the city and the company are grouped into a concise brief, with a statement of the author's conclusions and the reasons therefor.

FREEMAN, J. R. The Hetch Hetchy water supply for San Francisco. San Francisco, 1912. 400 pp.
A careful report on the proposed use of a portion of the Hetch Hetchy, Eleanor, and Cherry Valleys as reservoirs for impounding flood waters of the Tuolumne River, and appurtenant works for the water supply of San Francisco and neighboring cities.

Spring Valley Water Company. The future water supply of San Francisco. San Francisco, 1912. 506 pp.
A report to the Secretary of the Interior and the Advisory Board of Engineers of the United States Army, aiming to show that the Spring Valley Company can continue to supply the city with all the water it will need, and that it is inadvisable to allow the development of the Hetch Hetchy project.

United States. Engineer Department. Hetch Hetchy Valley. Washington, 1913. 146 pp.
Report of the Advisory Board of Army Engineers on investigations relative to sources of water supply for San Francisco and Bay communities. Considers possibility of other sources and so compares their merits with those of the Hetch Hetchy project.

Reports on the water supply of San Francisco from 1900 to 1908. San Francisco, 1908. 230 pp.
Includes outline of history of the city's water supply, its condition, and proposed extensions and improvements, especially in regard to the Hetch Hetchy project.

13. Water Consumption and Waste

Bailey, G. I. The effect of water meters on water consumption in the larger cities of the United States. Journal, New England Waterworks Association, xv, pp. 351–359 (June, 1901).

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.
Ch. xi (pp. 84–89), Water consumption and waste prevention. A brief general discussion; advocates use of meters.

Brackett, Dexter. Report on the measurement, consumption and waste of water supplied to the metropolitan water district (of Massachusetts). Journal, New England Waterworks Association, xviii, pp. 107–160 (June, 1904).

Cole, E. S. The cost of leaks — does it pay to stop them? American City, vii, pp. 39–43 (July, 1912).
Briefly attempts to show relation of leakage to cost of maintaining a water supply. Has good tables of water consumption for more than 150 cities.

——. The pitometer and water works losses. Proceedings, American Water Works Association, 1907, pp. 136–156.
Discusses waste and the use of the pitometer.

Fuertes, J. H. Waste of water in New York and its reduction by meters and inspection. New York, 1906. 272 pp.
A report made to the committee on water-supply of the Merchants' Association of New York City. Waste reduction in American and German cities, appendix D, pp. 127–229. Deals with conditions in a large number of cities. A very good list of references, appendix E, pp. 231–244.

Hazen, Allen. Clean water and how to get it. 2d edition. New York, 1914. 196 pp.
Ch. xiii (pp. 133–148), The use, waste and measurement of water. Considers the methods of charging for water when a meter is used; points out a fair basis.

Hoxie, F. J. Locating water main leaks. Municipal Journal, xxxv, pp. 382–383 (September 18, 1913).
A technical discussion of the use of the alkaline-solution method in locating leaks.

JOHNSON, C. O. Water supply and the prevention of waste in leading European cities. New York, 1903. 289 pp.
An elaborate report on the subject, presented to the Merchants' Association of New York City.

THOMPSON, H. S. Water measurements and the prevention of water waste in New York City. Engineering News, lxvii, pp. 480–481 (March 14, 1912).
A statement of facts recently disclosed by elaborate pitometer tests.

The effect of meters on water consumption. American City, vii, p. 45 (July, 1912).
A good table showing consumption of water in ten cities over a period of ten or more years.

Water works statistics of American cities. Municipal Journal, xxxvi, pp. 103–106 (January 22, 1914).
Good tables showing daily consumption for about 300 cities. For more detailed statistics, see below, pp. 181–182.

See also list of further references in F. E. TURNEAURE and H. L. RUSSELL, Public water supplies, pp. 793–794. 2d edition. New York, 1913. 808 pp.

14. WATER-WASTE SURVEYS IN AMERICAN CITIES

Boston. Metropolitan Water and Sewerage Board. Report by DEXTER BRACKETT on the measurement, consumption and waste of water supplied to the metropolitan district. Boston, 1904. 62 pp.
May also be found in Journal of the New England Waterworks Association, xviii, pp. 107–160 (June, 1904).

Chicago. PHILLIPS, T. C. Water waste surveys in Chicago. Engineering News, lxv, p. 260 (March 2, 1911); Engineering Record, lxiii, pp. 256–257 (March 4, 1911); Proceedings, American Water Works Association, 1909, pp. 39–71.

Lancaster, Pa. SHAW, F. H. Methods and cost of a leakage survey for the Lancaster, Pa., waterworks. Municipal Engineering, xliii, pp. 31–32 (July, 1912).

Memphis. DAVIS, C. E. Investigation of water waste in Memphis, Tenn. *Ibid.*, xli, pp. 104–110 (August, 1911).
Explains fully the methods of investigation with a statement of the results obtained.

Milwaukee. PALMER, RAY, BROWN, W. R., and others. Water wastes survey. Milwaukee, 1911. 39 pp. (Milwaukee Bureau of Economy and Efficiency. Bulletin no. 11 (December, 1911).)

A careful survey and recommendations based thereon.

New York City. COLE, E. S. The water waste investigation in New York. Proceedings, American Water Works Association, 1904, pp. 478–485.

15. PROBLEMS OF WATER DISTRIBUTION

(*a*) *Meters, metering, methods, and results*

BEMIS, E. W. Are water meters advantageous or otherwise? Engineering Record, lxiii, pp. 107–108 (January 28, 1911).

——. Water meters and waste detection policies. *Ibid.*, lxiv, pp. 58–59 (July 8, 1911).

——. The purchase, setting and testing of water meters. *Ibid.*, lxiii, pp. 251–252 (March 4, 1911).

——. The ownership, care, repair, and reading of meters. *Ibid.*, lxiii, pp. 341–343 (March 25, 1911).

These four articles cover the whole ground in a very concise and practical manner.

CHELLEW, W. J. How meters promote equity and economy in the distribution of water. American City, vi, pp. 665–667 (April, 1912).

Gives causes of water waste and figures showing amount wasted; answers objections to meters.

CUDDEBACK, A. W. The care and maintenance of meters in service. Proceedings, American Water Works Association, 1910, pp. 42–63.

A brief discussion of the best types of meters under various conditions, testing of meters, etc. Gives curves showing results of various tests.

——. The care and maintenance of meters and the effect on revenue. American City, ix, pp. 343–346 (October, 1913).

Deals chiefly with the discovery and causes of meters not registering full amount of water used.

FOLWELL, A. P. Water supply engineering. New York, 1909. 576 pp.

Water meters and rates, pp. 536–542.

KNOWLES, MORRIS. Equitable water rates; the result of metering. American City, viii, pp. 172–177 (February, 1913).
General discussion of advantages of meters in bringing about more equitable adjustment of water charges and cutting down waste.

VOLKHART, WILLIAM. Meters and meter system. Proceedings, American Water Works Association, 1907, pp. 40–46.
Discusses the best way of installing meters.

(*b*) *Water rates; their basis, amount and method of collection*

BEMIS, E. W. Water meter rates. Engineering Record, lxiii, pp. 514–515 (May 6, 1911).
Discusses the proper revenue to be expected, taking into account such features as the sliding scale, the minimum charge, meter rentals, special rates, etc.

CLOWES, J. H. Efficiency in water revenue collection. Annals of the American Academy of Political and Social Science, lxi, pp. 86–92 (May, 1912).
Deals chiefly with a better system of inspection, improved accounting methods, and more efficient organization of the revenue-collecting bureau.

EARL, G. G. Water rates. Proceedings, American Water Works Association, 1911, pp. 173–216.
Deals chiefly with the method of charging in New Orleans. Good discussion on the subject by members of the association.

ERICSON, JOHN. Waterworks plants and the proper rates for domestic and public service. *Ibid.*, 1907, pp. 295–302.
Outlines method for fixing rates.

FULLER, G. W. Elements to be considered in fixing water rates. Annals of the American Academy of Political and Social Science, liii, whole no. 142, pp. 251–261 (May, 1914).

GWINN, D. R. Water rates charged in 375 cities. Proceedings, American Water Works Association, 1908, pp. 209–238.
Statistics and discussion of rates.

HAZEN, ALLEN. Clean water and how to get it. 2d edition. New York, 1914. 196 pp.
Ch. xiii (pp. 133–148), The use, waste, and measurement of water. Considers the methods of charging for water when a meter is used; points out a fair basis.

HEIM, J. B. Meter rates. Proceedings, American Water Works Association, 1904, pp. 251–267.

Discusses uniform and sliding-scale rates, and minimum rate, especially as applied to Madison, Wis. Has some good statistics showing rates and factors causing the rate in 88 cities.

METCALF, LEONARD, KUICHLING, EMIL, and HAWLEY, W. C. Some fundamental considerations in the determination of a reasonable return for public fire hydrant service. Proceedings, American Water Works Association, 1911, pp. 55–149.

A good discussion with tables and diagrams.

New England Waterworks Association. Rates for metered water. Journal, xviii, pp. 222–242 (June, 1904).

A good general discussion. Brings up a number of interesting points.

New York City. Bureau of Municipal Research. Collecting water revenues; methods of the bureau of water register, Manhattan, with suggestions for reorganization. New York, 1908. 223 pp.

(*c*) *The electrolysis of water mains*

American Gas Light Association. Report of committee on electrolysis. 1906. 173 pp.

Printed also in Transactions, American Gas Institute, i, pp. 761–939 (1906). This report deals very thoroughly with the subject. Sec. I, Theory of electrolytic corrosion; sec. II, Electrolysis in America — Peoria, Taunton, Dayton, Richmond, New Bedford, Bayonne, Boston, Chicago, Detroit, and New York City; sec. III, Electrolysis in Great Britain; sec. IV, Electrolysis in Germany; sec. V, Summary and conclusions. Discussion by engineers.

American Institute of Electrical Engineers. Electrolysis. Transactions, xxvi, Pt. I, pp. 264–302 (March 1, 1907).

A valuable discussion by a number of engineers.

Chicago. Bureau of Public Efficiency. Electrolysis of water pipes in the city of Chicago. Chicago, 1911. 71 pp. (Bulletin no. 4.)

MICHALKE, CARL. Stray currents from electric railways. Translated by O. A. Kenyon. New York, 1906. 101 pp.

A good short book covering the important parts of the subject; gives various formulas for determining the distribution and strength of stray currents, etc. Contains a good bibliography on the subject, pp. 91–98.

New England Waterworks Association. Electrolysis. Journal, xx, pp. 34–50 (March, 1906).

A discussion dealing chiefly with the results of electrolysis in cities of Massachusetts, and the remedies applied.

Wyer, S. S. Regulation, valuation and depreciation of public utilities. Columbus, Ohio, 1913. 313 pp.

Ch. ix (pp. 129–155), Electrolysis as a form of depreciation. Describes causes of electrolysis and outlines preventive and remedial measures. A brief but good discussion.

(*d*) *Growths in water mains*

Brown, J. C. Deposits in pipes and other channels conveying potable water. Proceedings, Institution of Civil Engineers, xlvi, pp. 1–18 (1903).

A description of various growths in pipes, with means of prevention outlined.

Hill, N. S., Jr. Tuberculation and the flow of water in pipes. Proceedings, American Water Works Association, 1907, pp. 302–387.

A good article discussing tuberculation or rust; deposits or incrustations due to alkalinity; ferruginous slime; sedimentary deposits; pipe coatings; scraping mains; and the effect of surface roughness. Standardized formulas are given, and the author emphasizes the need of greater attention being paid to the distribution system.

Hodgman, B. B. The restoration of old distributing systems. *Ibid.*, 1911, pp. 39–53.

Discusses chiefly the cleaning of water mains and the results obtained.

Smith, E. G. Some recent experiences with growths in water mains. *Ibid.*, 1903, pp. 524–541.

Discusses the nature of crenothrix and shows that it may be best destroyed by withdrawal of its food supply.

Smith, O. T. Experience with growths in water mains. *Ibid.*, 1904, pp. 148–160.

Describes the growths and methods of treatment in Freeport, Ill.

16. Waterworks Statistics, Accounting, and Finance

(*a*) *Waterworks statistics*

American Water Works Association. Report of committee on tabulation of water rates and other information of interest to water companies. Journal, i, pp. 231–337 (June, 1914).

JORDAN, F. C. Some water works statistics, etc. Journal, New England Waterworks Association, xxiv, pp. 592–622 (December, 1910).

Gives table of water rates of various cities in the United States, revised to November, 1910; table showing percentage of pipe of various sizes in cities of the United States (1908); and data regarding fire-hydrant service in various cities (1908).

New England Waterworks Association. R. K. HALE, compiler. Water works statistics for the year 1909. Journal, xxiv, pp. 419–441 (December, 1910).

Table 1, General and pumping statistics; table 2, Financial statistics; table 3, Statistics of consumption of water; tables 4 and 5, Statistics relating to distribution systems, main pipes, and service pipes. These are for 45 towns in New England.

United States. Bureau of the Census. Statistics of cities having a population of over 25,000: 1902–1903. Washington. Published annually since 1905.

See index under Water Supply. Beginning with volume for 1905 statistics (1907), the figures are for cities having a population of over 30,000.

Water works statistics of American Cities. Municipal Journal, xxxiv, pp. 817–825 (June 12, 1913); xxxv, pp. 13–15, 860–862 (July 3 and December 25, 1913).

Tables 1 and 2, General and financial data for municipal and privately-owned plants. Population — total and supplied; consumption — total, through meters, maximum daily; cost of maintenance — street work, pumping stations, purification plant, superintendent's office, and all other; cost of plant to date; outstanding bonds.

Tables 3 and 4, Distribution system data. Street mains — laid during year, kinds, discontinued during year, now in service; hydrants now in service; appliances for filling watering carts; stop gates; service connections — added during year, now in operation; motors and elevators supplied; private fire connections.

Water works statistics of American cities. *Ibid.*, xxxvi, pp. 103–106 (January 22, 1914).

The daily consumption, cost of plant per million gallons of yearly consumption, and cost of maintenance per million gallons for municipal and private plants in about 300 cities, are tabulated. These tables are very good.

Water works statistics of American cities. Tables 1–6, 8, *Ibid.*, xxxvi, pp. 650–673 (May 7, 1914); Table 7, xxxvii, pp. 104–108 (July 23, 1914).

Tables 1 and 2, Consumption and general — municipal and privately-owned plants. Cost of plant; population — total, supplied with water;

consumption — total, maximum daily, method of obtaining figures, passed through meters, furnished free, method of obtaining free figures. Tables 3 and 4, Distribution systems. Street mains — laid during year, materials, discontinued during year, now in service; hydrants in service; stop gates in service; sprinkling-cart appliances; service connections — added during year, now in operation; motor and elevator connections — added during year, discontinued during year; private fire connections — number in use, sizes.

Tables 5 and 6, Meters and rates. Kind on fire connections; service meters — number added during year, number now in use; consumers — owning meters, maintaining meters; cost per year of maintenance, etc.; reduction in consumption; meter rates — maximum, minimum; rates for private fire service.

Table 7, Municipal water purification plants.

Table 8, Treatment of water — private plants. Sand filters — slow, rapid; sedimentation; softening plant; treatment for algae; hypochlorite; other treatment.

For foreign statistics, see above, pp. 171–172.

(*b*) *Waterworks accounting*

ALLISON, L. M. A complete accounting system for both large and small water works properties. Engineering and Contracting, xli, pp. 77–80 (January 14, 1914).

Briefly outlines a system and gives classifications.

American Water Works Association. A discussion of depreciation and a comparison of rates and bookkeeping methods of municipally and privately owned water works. Proceedings, 1912, pp. 325–347.

KEY, FRANK. Water companies' accounts. London, 1903. 73 pp. (Accountants' Library, xix.)

METCALF, LEONARD. Depreciation in waterworks operation and accounting. Journal, New England Waterworks Association, xxiv, pp. 442–472 (September, 1910).

Considers items and amounts to be charged to depreciation, and gives tables and diagrams.

MULHALL, J. F. J. Water works accounting. *Ibid.*, xix, pp. 395–411 (December, 1905).

This paper is intended as a rough draft for waterworks accounts; it outlines records to be kept.

——. Quasi-public corporation accounting and management. Boston, 1905. 198 pp.

Pt. III, pp. 28–65, Water works. States briefly the books, forms, and methods necessary for proper organization and management.

United States. Bureau of the Census. Statistics of cities having a population of over 30,000: 1907. Washington, 1910. 548 pp.

Uniform system of accounting for water-supply enterprises, pp. 511–541.

——. ——. Uniform accounts for systems of water supply. Washington, 1911. 44 pp.

Arranged by representatives of the United States Bureau of the Census, the American Water Works Association, the American Association of Public Accountants, the Ohio Bureau of Uniform Public Accounting, and other organizations.

(*c*) *Waterworks finance*

Boston Finance Commission. An investigation of the Boston Water Department. Reports, iii, pp. 5–316 (1909).

KUICHLING, E. The financial management of waterworks. Transactions, American Society of Civil Engineers, xxxviii, pp. 1–40 (December, 1897).

Considers proper distribution of charges, and means of obtaining revenue.

MARWICK, MITCHELL AND COMPANY. Water finance. In National Civic Federation Report on municipal and private ownership of public utilities, Pt. II, vol. i, pp. 353–425. 3 vols. New York, 1907.

United States. Bureau of the Census. Statistics of cities having a population of over 25,000: 1902–1903. Washington. Published annually since 1905.

See index under Water Supply. Beginning with the volume for 1905 statistics (1907), the figures are for cities having a population of over 30,000.

17. MUNICIPAL AND PRIVATE OWNERSHIP OF WATER-SUPPLY SYSTEMS

BEMIS, E. W., editor. Municipal monopolies. 4th edition. New York, 1904. 691 pp.

A good book in its day, but now somewhat out of date.

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.

Especially Pt. II, vol. i, pp. 1–425. A careful investigation of the cities of Chicago, Cleveland, and Syracuse, which have municipal water systems, and of New Haven, Utica, and Indianapolis, which have privately-owned systems.

United States. Bureau of the Census. Statistics of cities having a population of over 25,000: 1902–1903. Washington. Published annually since 1905.

See index under Water Supply. Beginning with the volume for 1905 statistics (1907), the figures are for cities having a population of over 30,000.

WILCOX, D. F. Municipal franchises. 2 vols. New York, 1910–1911.

See below, pp. 209–210.

American Academy of Political and Social Science. Symposium on the relation of the municipality to water supply. Annals, xxx, pp. 557–592 (November, 1907).

A brief history and description of the water systems of Chicago, Philadelphia, Baltimore, Cleveland, Buffalo, San Francisco, Cincinnati, New Orleans, Detroit, Washington, Providence, and Duluth.

18. PERIODICAL PUBLICATIONS RELATING TO WATER SUPPLY

American Water Works Association. Proceedings. No. 1, 1881. Baltimore.

The best periodical publication on the subject of water supply; deals with all phases. Beginning with 1914 (the 34th year) the Proceedings are replaced by a Journal, issued quarterly.

Fire and Water Engineering. Vol. i, 1893. New York. Published weekly.

Contains short articles chiefly in regard to current practices.

New England Waterworks Association. Journal. Vol. i, 1886. Published quarterly.

Many articles and compilations of great value appear regularly in the Engineering News, Engineering Record, Municipal Journal, and other scientific periodicals (see above p. 23).

SECTION XXXIV. MUNICIPAL LIGHTING

1. LISTS OF REFERENCES

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Lighting, pp. 116–124, 164–167.

Johns Hopkins University. Lectures on illuminating engineering. 2 vols. Baltimore, 1911.

Lists of references: i, pp. 85–91, 208–209, 276, 410; ii, pp. 793, 927–929.

New York City. Public Library. List of works in the New York Public Library relating to illumination. New York, 1909. 49 pp.
Reprinted from the library's Bulletin xii, pp. 686–734 (December, 1908).

2. General Discussions and Reports

Bell, Louis. Street lighting. Engineering Magazine, xxviii, pp. 913–914 (March, 1910); Transactions, Illuminating Engineering Society, iii, pp. 400–409 (1908).

Eshleman, C. L. Modern street lighting. American City, vi, pp. 510–517 (February, 1912).
Deals with ornamental street lighting, describing various fixtures, etc.

Högner, Paul. Light, radiation and illumination. Translated by Justus Eck. New York, 1913. 88 pp.

Humphrey, H. H. Street lighting of cities. Journal, Association of Engineering Societies, xxvi, pp. 18–34 (1901).
Deals chiefly with equipment.

Marston, G. American public lighting. World To-Day, xx, pp. 293–300 (March, 1911).

Reunie, K. G. Street lighting. Municipal Engineering, xliv, pp. 259–262 (March, 1913).
Presents some of the general principles to be followed in good street lighting.

Principles of street lighting. Cassier's Magazine, xlii, pp. 169–176 (August, 1912).

3. Technical Discussions

Barrows, W. E. Light, photometry, and illumination. New York, 1912. 335 pp.
A thoroughly revised edition of Electrical illuminating engineering. Deals chiefly with the characteristics of light and with illumination calculations. Ch. xii (pp. 291–312), The principles of street illumination. Contains curves showing distribution of light, etc.

Bell, Louis. The art of illumination. 2d edition. New York, 1912. 353 pp.
A treatise on the history, science and art of lighting, public and private.

Bloch, Leopold. The science of illumination; an outline of the principles of artificial lighting. Translated by W. C. Clinton. London, 1912. 180 pp.
A technical work considering chiefly the calculation and measurement of illumination.

BOHLE, HERMANN. Electrical photometry and illumination. London, 1912. 222 pp.

A book designed chiefly for engineers. Bibliography, pp. 212–218.

BRYANT, J. M., and HAKE, H. G. Street lighting. Urbana, 1911. 64 pp. (Bulletin of the University of Illinois, no. 51 (1911).)

Treats largely of technical questions, with a great many formulas, tables, and diagrams.

DIBDIN, W. J. Public lighting by gas and electricity. New York, 1904. 537 pp.

Concerned chiefly with general problems and photometry.

HOUSTON, R. A. Studies in light production. London, 1912. 175 pp.

Considers the efficiency of various kinds of illuminants.

Johns Hopkins University. Lectures on illuminating engineering. 2 vols. Baltimore, 1911.

Ch. i, The physical basis of the production of light, by J. S. Ames; ch. ii, The physical characteristics of luminous sources, by E. P. Hyde; ch. iii, The chemistry of luminous sources, by W. R. Whitney; ch. iv, Electric illuminants, by C. P. Steinmetz; ch. v, (1) Gas and oil illuminants, by A. C. Humphreys, (2) Incandescent gas mantles, by M. C. Whitaker; ch. vi, The generation and distribution of electricity with special reference to lighting, by J. B. Whitehead; vii, The manufacture and distribution of artificial gas with special reference to lighting, (1) by E. G. Cowdery, (2) by W. R. Addicks; ch. viii, Photometric units and standards, by E. B. Rosa; ch. ix, The measurement of light, by C. H. Sharp; ch. x, The architectural aspects of illuminating engineering, by Walter Cook; ch. xi, The physiological aspects of illuminating engineering, by P. W. Cobb; ch. xii, The psychological aspects of illuminating engineering, by R. M. Yerkes; ch. xiii, The principles and design of interior illumination, by W. E. Barrows, Jr., L. B. Marks, and Norman Macbeth; ch. xiv, The principles and design of exterior illumination, by Louis Bell and E. N. Wrightington; ch. xv, Shades, reflectors and diffusing media, by Van Rensselaer Lansingh; ch. xvi, Lighting fixtures, by E. F. Caldwell; ch. xvii, The commercial aspects of electric lighting, by J. W. Lieb, Jr.; ch. xviii, The commercial aspect of gas business with special reference to gas lighting, by Walton Clark.

PEARCE, S. L., and RATCLIFFE, H. A. Recent developments in the street lighting of Manchester. Electrician, lxx, pp. 1007–1010, 1047–1051 (March 7 and 16, 1913).

Gives the results of tests to discover the relative desirability of electricity and gas for street lighting.

STEINMETZ, C. P. Radiation, light, and illumination. New York, 1909. 305 pp.
A good discussion which is not too technical.

TROTTER, A. P. Illumination; its distribution and measurement. London, 1911. 292 pp.
Deals with the principles and methods of distribution and measurement of illumination.

WICKENDEN, W. E. Illumination and photometry. New York, 1910. 195 pp.
A text-book for use in engineering colleges.

4. PUBLIC LIGHTING BY GAS

(*a*) *The manufacture of illuminating gas*

COWDERY, E. G., and ADDICKS, W. R. The manufacture and distribution of artificial gas with special reference to lighting. In Johns Hopkins Lectures (see above), i, ch. vii (pp. 277–386).
A comprehensive discussion.

ELLIOTT, A. H. Making illuminating gas. In Municipal chemistry, edited by Charles Baskerville, ch. xix (pp. 300–310). New York, 1911. 526 pp.
A brief description of the principal processes.

(*b*) *Gas-lighting engineering and construction*

GERHARD, W. P. Gas lighting and gas fitting. 2d edition. New York, 1894. 190 pp.
A volume in the Van Nostrand science series.

LATTA, M. N. Handbook of American gas-engineering practice. New York, 1907. 466 pp.

WRIGHTINGTON, E. N. The principles and design of exterior illumination by gas. In Johns Hopkins Lectures (see above), ii, ch. xiv (pp. 839–884).
Considers the history of street lighting, requirements of good illumination, general divisions of street lighting, types of high and low pressure gas lamps, automatic lighting and extinguishing of gas street lamps, etc.

(*c*) *Gas-lighting operation, maintenance and cost*

CLARK, WALTON. The commercial aspects of gas lighting. In Johns Hopkins Lectures (see above), ii, ch. xviii (pp. 1009–1039).
Presents the advantages of gas service to a community; takes up good versus poor service, gas company organization, etc.

DICKERMAN, J. C. Some notes on the regulation of gas service. Annals of the American Academy of Political and Social Science, liii, whole no. 142, pp. 278–284 (May, 1914).

FERNALD, R. H. Service regulations for gas. *Ibid.*, pp. 269–277.

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.
United States gas works, Pt. II, vol. i, pp. 426–664; British gas works, Pt. II, vol. ii, pp. 113–247.

United States. Bureau of Standards. State and municipal regulations for the quality, distribution and testing of illuminating gas. Washington, 1912. 133 pp. (Circular no. 32 (April 1, 1912).)

(*d*) *Gas-lighting accounts and finance*

MARKS, W. D. The finances of gas and electric light and power enterprises. 4th edition. New York, 1907. 540 pp.
Presents the results of actual experience in management. See especially ch. v (pp. 165–210), Methods of establishing prices for gas; ch. vi (pp. 211–223), Prices of gas in Massachusetts; ch. xii and xiii (pp. 375–485), Price of gas in New York City in 1906.

MULHALL, J. F. J. Quasi-public corporation accounting and management. Boston, 1905. 198 pp.
Gas works, pp. 66–115. Gives books and forms which should be used; also gives form of report required by the gas and electric light commissioners in Massachusetts.

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.
Pt. II, vol. i, pp. 568–587, Gas works: finance and accounting, by Marwick, Mitchell and Company; Pt. II, vol. ii, pp. 208–247, Gas works: finance and accounting, by E. H. Turner and R. C. James.

New York State. Public Service Commission. First District. Uniform system of accounts for gas corporations. New York, 1908. 64 pp.
Gives classification and schedule of accounts.

United States. Bureau of the Census. Statistics of cities having a population of over 25,000: 1902–1903. Washington. Published annually since 1905.
See index under Lighting. Beginning with volume for 1905 statistics (1907), the figures are for cities having a population of over 30,000.

(e) *Gas-lighting franchises and municipal ownership*

BEMIS, E. W., editor. Municipal monopolies. 4th edition. New York, 1904. 691 pp.
Ch. viii (pp. 587–628), Gas. Deals chiefly with prices. The experience of several cities in regard to rates is given.

BRADFORD, E. S. Municipal gas lighting. Madison. 18 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 8 (September, 1906).)
Gives statistics of municipal gas plants in about 30 cities.

HOWE, F. C. The British city, the beginnings of democracy. New York, 1907. 370 pp.
Ch. viii (pp. 101–110), Gas supply in British cities. A brief history.

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.
Pt. I, vol. i, Gas works, pp. 146–161; Pt. II, vol. i, Gas works, pp. 426–587. Presents the results of an investigation of municipal and privately-owned plants.

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.
Ch. x (pp. 208–240), The relation of the city to public utilities; ch. xi (pp. 241–270), The municipality and the gas supply. Considers chiefly the experience of Philadelphia.

WILCOX, D. F. Municipal franchises. 2 vols. New York, 1910–1911.
Vol. i, ch. xix, Artificial and natural gas as public utilities; ch. xx, Gas franchises where only artificial gas is available; ch. xxi, Gas franchises in cities within reach of natural gas fields. Considers the experience of artificial and natural gas companies in various cities, and outlines the provisions that should be in a franchise.

See also Franchises, Municipal Ownership.

5. PUBLIC LIGHTING BY ELECTRICITY

(a) *General discussions*

American School of Correspondence. Electric lighting. Chicago, 1911. 94 pp.

BARROWS, W. E. Light, photometry and illumination: a thoroughly revised edition of Electrical illuminating engineering. New York, 1912. 335 pp.
See above, p. 185.

BELL, LOUIS. The principles and design of exterior illumination (by electricity). In Johns Hopkins Lectures (see above), ii, ch. xiv (pp. 795–837).

A brief article outlining the principal considerations in public lighting, with a few formulas and curves.

CROCKER, F. B. Electric lighting: a practical exposition of the art. 6th edition. 2 vols. New York, 1904.

Covers all phases of the subject.

FRANKLIN, W. S. Electric lighting and miscellaneous applications of electricity. New York, 1912. 299 pp.

A text-book for technical schools and colleges. See especially ch. vii (pp. 171–183), Street lighting.

HUTCHINSON, R. W. High efficiency electrical illuminants and illumination. New York, 1911. 278 pp.

See especially ch. vii (pp. 248–272), Notes on street illumination.

STEINMETZ, C. P. Electric illuminants. In Johns Hopkins Lectures (see above), i, ch. iv (pp. 109–156).

A technical discussion with formulas and curves. Considers solid, gaseous, and arc conductors.

TROTTER, A. P. Standard clauses for inclusion in a specification of street lighting. Electrician, lxxi, pp. 46–50 (April 18, 1913).

A good brief discussion.

WHITEHEAD, J. B. The generation and distribution of electricity with special reference to lighting. In Johns Hopkins Lectures (see above), i, ch. vi (pp. 237–276).

Deals with the principles and design, and the installation of electric-lighting systems, for interior and exterior illumination.

(*b*) *Electric-lighting statistics*

United States. Bureau of the Census. Statistics of cities having a population of over 25,000: 1902–1903. Washington. Published annually since 1905.

See index under Lighting. Beginning with volume for 1905 statistics (1907), the figures are for cities having a population of over 30,000.

——. ——. Central electric light and power stations (1912). Washington, 1915. 440 pp.

——. Bureau of Standards. Standard specifications for incandescent electric lamps. 6th edition. Washington, 1914. 20 pp. (Circular no. 13.)

Data concerning street illumination. Municipal Journal, xxxiii, pp. 685–696 (November 7, 1912).

Tables 1 and 2, Private and municipal plants: kind of lamp; number of lamps in use; nominal candle power or amperes; hours burned per year; price per lamp per year; average distance between; height above street; method of supporting lamps; are wires in conduits; conduits under road or sidewalk; current by water or steam; cost of coal per ton; prices for commercial light and for power.

Tables 3 and 4, Data concerning "white way" lighting — private and municipal plants; kind of lamp; number of lamps used; number of standards used; distance between standards; cost of standard alone, complete installation per front foot, operation and maintenance per lamp; are wires in conduits; conduited under road or sidewalk; payment made for installation by, maintenance by.

Data concerning electric light plants. *Ibid.*, xxxv, pp. 172–186 (August 7, 1913).

Municipal and private plants. Tables 1 and 1a, Equipment. Miles of streets lighted; boilers — number, total rated horse power, make; engines — number, total rated horse power, make; dynamos — number, total kilowatt capacity, make; street lines — total length of wire, length of streets with overhead wires, length of underground conduits.

Tables 2 and 2a, Operation. Fuel — coal used, price; screenings, price; other sources of power; current — total generated kilowatt hours, kilowatt hours used for street lights, kilowatt hours sold to commercial customers; receipts — paid or credited by city, from commercial customers; connected load — number of public arc lamps, number of commercial arc lamps, number of public incandescent lamps, number of commercial incandescent lamps, total lighting load, total lighting and power load.

Tables 3 and 3a, Lamps used. Street lighting — kind of lamp, nominal candle power, watts or amperes, number used, average useful life, rate of payment (or credit) by city per lamp per year; commercial lighting — kind of lamp, nominal candle power, watts or amperes, number used, average useful life.

Tables 4 and 4a, Commercial lighting rates. Maximum rate per kilowatt hour, maximum kilowatt hour to which this rate applies, minimum rate per kilowatt hour, minimum kilowatt hour to which this rate applies.

(*c*) *Electric-lighting operation, maintenance, and costs*

Erickson, Halford. Electric lighting and power rates. Annals of the American Academy of Political and Social Science, liii, whole no. 142, pp. 238–250 (May, 1914).

Floy, Henry, editor. A compilation of the records of the Colorado Springs lighting controversy. New York, 1908. 327 pp.

Includes minutes of evidence which contain much data relating to the efficiency and costs of various types of street lights.

GIBBINGS, A. H. The commercial and business aspects of municipal electricity supply. Bradford (England), 1899. 270 pp.
Aims to present the subject in a form that will be easily understood by the average business man. Applies particularly to English cities.

HARRIS, L. H. Service regulations for electrical utilities. Annals of the American Academy of Political and Social Science, liii, whole no. 142, pp. 285–291 (May, 1914).

LIEB, J. W. The commercial aspects of electric lighting. In Johns Hopkins Lectures (see above), ii, ch. xvii (pp. 945–1008).
Considers (1) the public utility corporation; (2) state or municipal supervision; (3 and 4) relations with the public and with employees; (5) service conditions; (6) accounting; (7) rate schedules; (8) metering; (9) advertising and canvassing.

SEABROOK, A. H. The management of public electric supply undertakings. New York, 1913. 192 pp.
Considers electric supply as a business; outlines form of organization for the various departments and for the general management of the undertaking.

(*d*) *Electric-lighting finance and accounting*

ALLEGAERT, E. J. Branch office accounting. Transactions, National Electric Light Association, 1909, iii, pp. 18–29.

BAILEY, J. L. Care and handling of supplies. *Ibid.*, 1909, iii, pp. 118–140.

CLAFLIN, G. E. Depreciation accounting for small companies. *Ibid.*, 1909, iii, pp. 165–182.

EDWARDS, H. M. Electric light accounts and their significance. New York, 1914. 172 pp.

FREEMAN, W. W. Pay-roll problems of the electric light industry. Transactions, National Electric Light Association, 1909, iii, pp. 74–118.

MARKS, W. D. The finances of gas and electric light and power enterprises. 4th edition. New York, 1907. 540 pp.
Presents the results of actual experience in management.

MULHALL, J. F. J. Quasi-public corporation accounting and management. Boston, 1905. 198 pp.
Electric light works, pp. 116–124. Gives books and forms which should be used. Also gives form of report required by the gas and electric light commissioners of Massachusetts.

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.
Finance and accounting, Pt. II, vol. i, pp. 803–884; vol. ii, pp. 339–383.

National Electric Light Association. Report of committee on uniform accounting. Transactions, 1909, i, pp. 180–201; iii, pp. 1–18.
Outlines classification of expense and income accounts.

New York State. Public Service Commission. First District. Uniform system of accounts for electrical corporations. New York, 1908. 61 pp.
Sets forth classification and schedule of accounts.

United States. Bureau of the Census. Statistics of cities having a population of over 25,000: 1902–1903. Washington. Published annually since 1905.
See index under Lighting.

(*e*) *Electric-lighting franchises and municipal ownership*

ADAMS, A. D. Municipal electric plants. In United States Industrial Commission Reports, ix, pp. 275–285 (1901).

BONDY, J. Municipal ownership of lighting plants. Syracuse, 1907. 66 pp.

BRADFORD, E. S. Municipal electric lighting. Madison, 1906. 22 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 5 (April, 1906).)
List of references, p. 3. Gives some comparative statistics for municipal and privately-owned plants.

COMMONS, J. R. Municipal electric lighting. In Municipal monopolies, edited by E. W. Bemis, ch. ii (pp. 55–180). 4th edition. New York, 1904. 691 pp.
A comparison of municipal and privately-owned plants.

CRAVATH, J. R. Municipal ownership of electric light plants. World To-Day, xxii, pp. 374–379 (April, 1907).

FAIRLIE, J. A. Essays in municipal administration. New York, 1908. 374 pp.
Municipal electric lighting in Detroit, pp. 219–229.

FRANCISCO, M. J. Municipal ownership: its fallacy, with legal and editorial opinions, tables and cost of light as furnished by private companies and municipal plants. 4th edition. Rutland (Vt.), 1895. 100 pp.

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.
Electricity supply, Pt. II, vol. i, pp. 665–884; vol. ii, pp. 248–383.

SHEPARDSON, G. D. Why some municipal electric light plants do not pay better. Electrical Review, xxxvii, pp. 37, 52–55 (July 11 and 18, 1900).
Considers arguments for and against municipal ownership of electric light plants.

WILCOX, D. F. Municipal franchises. 2 vols. New York, 1910–1911.
Bibliography in appendix to vol. i. Vol. i, ch. vi, Electric light, heat and power as a public utility; ch. vii, Franchise conditions imposed on electric light and power companies. Deals with different types of franchises, as illustrated by those in force in various cities. Outlines the most important features of a franchise.

See also Franchises, Municipal Ownership.

6. PERIODICAL PUBLICATIONS AND HANDBOOKS RELATING TO PUBLIC LIGHTING

American Gas Institute. Proceedings. Vol. i, 1906. New York. Published annually.

American Gas Light Association. Proceedings. Vols. i–xxxiii. New York, 1873–1905.
No more published. In October, 1906, united with Western Gas Association and Ohio Gas Light Association to form the American Gas Institute.

American Institute of Electrical Engineers. Transactions. Vol. i, 1885. New York.

Electric Journal. Vol. i, 1904. Pittsburgh. Published monthly.

Illuminating Engineer. Vol. i, 1906, to vol. vii, 1913. New York. Published monthly.
In March, 1912, vol. vii, no 1, the name was changed to Good Lighting. It ceased publication with vol. vii, no. 11 (January, 1913).

Illuminating Engineer (England). Official organ of the Illuminating Engineering Society. Vol. i, 1908. London. Published monthly.

Illuminating Engineering Society. Transactions. Vol. i, 1906. New York. Published monthly.

Institution of Electrical Engineers. Journal. Vol. i, 1872. London.

Since December, 1913, issued bi-weekly; previous volumes contain six numbers to the year, issued irregularly. 1872–1880, Society of Telegraph Engineers; 1881–1888, Society of Telegraph Engineers and Electricians; 1889–, Institution of Electrical Engineers.

National Electric Light Association. Proceedings of annual conventions. First, 1885. New York. Published annually.

SECTION XXXV. MUNICIPAL TRANSPORTATION

(CHIEFLY STREET RAILWAYS)

1. LISTS OF REFERENCES

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Transit facilities, pp. 167–169, 262–270.

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–71 (April, 1908).

Street railways, pp. 65–67.

WHITTEN, R. H. List of references on street railway service. Special Libraries, ii, pp. 61–63 (June, 1911).

2. HISTORY OF STREET RAILWAYS

HUFF, S. W. A concise statement of the development of electric railroads. Sibley Journal of Engineering, xxvii, pp. 1–19 (October, 1912).

Narrates some experiences in the early stages of development of the street railway.

WILLSON, BECKLES [HENRY BECKLES]. The story of rapid transit. New York, 1909. 237 pp.

A popular account.

3. GENERAL DISCUSSIONS OF THE TRANSIT PROBLEM

American Academy of Political and Social Science. Electric railway transportation. Annals, xxxvii, no. 1 (January, 1911). Philadelphia, 1911. 244 pp.

Contents: Pt. I: Traffic and financial problems: The urban transportation problem: a general discussion, by B. J. Arnold; The decreasing financial returns upon urban street railway properties, by T. Conway, Jr.;

The depreciation problem, by W. B. Jackson; Methods of increasing the efficiency of surface lines in large cities, by W. Fish; The investigation of traffic possibilities on proposed subway lines, by W. S. Twining; Possibilities of freight traffic on interurban lines, by F. S. Cummins; Express business on interurban lines, by A. Eastman; Economic factors in the selection of cars for urban service, by S. M. Curwen; The relations of the electric railway company with its employees, by C. D. Emmons; The strike problem upon electric railways, by D. T. Pierce; Educating the public to a proper appreciation of urban street railway problems, by A. W. Warnock; The presentation of interurban problems to the public, by A. D. B. Van Zandt. Pt. II: Public regulation of electric railways: Valuation of intangible street railway property, by F. R. Ford; The indeterminate permit as a satisfactory franchise, by W. O. Morgan; State supervision of electric railways in Wisconsin, by B. H. Meyer; The fruits of public regulation in New York, by M. R. Maltbie; Supervising engineers and street railway service, by G. Weston.

CUTHBERTSON, W. J. A suggested solution of metropolitan transit. Journal, Association of Engineering Societies, xxxvi, pp. 251–271 (June, 1906).

Advocates a two-storied street arrangement, shows its advantages, and gives diagrams describing how it would be in practice.

DAVIES, J. V. Rapid transit. In Handbook of city planning, edited by John Nolen, ch. xiii. New York, 1915. (National Municipal League series.)

JOHNSON, E. R. Public regulation of street railway transportation. Annals of the American Academy of Political and Social Science, xxix, pp. 275–291 (March, 1907).

Outlines methods of regulation used in Massachusetts, New York, Illinois and Chicago, and in England and Germany. Compares municipal and private ownership.

LONG, T. K. A study of rapid transit in seven cities. Chicago, 1914. 27 pp. (Chicago Municipal Reference Library. Bulletin, no. 3 (July, 1914).)

A brief inquiry into the passenger transportation problem in the cities of New York, Chicago, Philadelphia, Boston, London, Paris, and Berlin.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Railroads, street, iii, pp. 148–150; references, p. 150. Transit in cities, problems of, iii, pp. 549–553; references, p. 553.

Manchester (England). Trainway Department. The passenger transportation problem. Report of the general manager, Manchester, 1914. 141 pp.

Pt. I contains general accounts of the transit problems in New York, Philadelphia, Chicago, Pittsburgh, Newark, Toronto, Montreal, Paris, Berlin, Vienna, Hamburg, and London.

WILCOX, D. F. Municipal franchises. 2 vols. New York, 1910–1911.

The surface street railway as a factor in modern life, ii, ch. xxii (pp. 3–33). A very good discussion of the business of urban passenger transportation.

4. STREET RAILWAY STATISTICS

Commercial and Financial Chronicle. Vol. i, 1865. New York. Published weekly.

See especially the Electric Railway section issued as a supplement in January, May, and September.

McGraw Electric Railway Manual. The red book of American electric railway investments. First number, 1894. New York. Issued annually.

Moody's Manual of Railroads and Corporation Securities. Public Utilities section. First annual number, 1900. New York. Published annually.

Contains statistics of public utility corporations of the United States, Canada, Mexico, etc., including electric tractions and street railways, gas and electric light plants, telegraph, telephone and cable companies, water, water-power and ferry companies.

Poor's Manual of Public Utilities. First number, 1913. New York. Published annually.

Previous to 1913 see Poor's Manual of Industrials and Public Utilities.

United States. Bureau of the Census. Street and electric railways. Prepared under the supervision of W. M. STEUART, chief statistician for manufactures. Washington, 1903. 193 pp. (Bulletin no. 3.)

——. ——. Street and electric railways, 1902. (Special Report.) Prepared under the supervision of W. M. STEUART, chief statistician for manufactures. Washington, 1905. 439 pp.

Contents: Pt. I: Scope and method of investigation; comparison with census of 1890; traffic; capitalization; financial operations; employees, salaries, and wages; interurban railways; economic, financial, and social features; consolidation of street railways; franchises, public regulations, and public ownership; street railways in European countries; by E. D. Durand. Pt. II: History and development of electric traction; road-

bed, track, and electric construction; cars and miscellaneous equipment; interurban railway construction and equipment; power houses, equipment and outfit; by T. C. Martin.

——. ——. Street and electric railways, 1907. (Special Report.) Prepared under the supervision of W. M. STEUART, chief statistician for manufactures. Washington, 1910. 575 pp.

Contents: Pt. I, Statistical: ch. i, Scope and method; ch. ii, Comparison with censuses of 1902 and 1890; ch. iii, Power-plant equipment and output of stations; ch. iv, Track and rolling stock; ch. v, Traffic; ch. vi, Capitalization; ch. vii, Financial operations; ch. viii, Employees, salaries, and wages; ch. ix, Sale of current by electric railway companies; by E. D. Durand. Pt. II, Technical: ch. i, Equipment; ch. ii, Fares and transfers; ch. iii, Use of electricity by steam railroads; ch. iv, Interurban railways — economic, financial, and social features; ch. v, Franchises, public regulation, and public ownership; ch. vi, Foreign tramways and electric railways; by T. C. Martin. General tables, appendices, maps and diagrams, illustrations.

——. ——. Central electric light and power stations and street and electric railways, 1912. Washington, 1915. 440 pp.

Street and electric railways, pp. 179–434.

——. Department of Commerce. Huge development of British tramways. Daily Consular and Trade Reports, xvi, p. 796 (February 13, 1913).

Gives statistics of receipts and mileage.

WEYL, W. E. Street railway employment in the United States. United States Bureau of Labor, Bulletin no. 57, pp. 550–644 (March, 1905).

See also the issues of the Electric Railway Journal, published weekly in New York City.

5. TECHNIQUE, EQUIPMENT, OPERATION AND MAINTENANCE OF STREET RAILWAYS

American School of Correspondence. Electric railways; a treatise on the modern development of electric traction, including practical instruction in the latest approved methods of electric railroad equipment and operation. Chicago, 1912. 153 pp.

Electric railways, by J. R. Cravath, pp. 1–135; The single-phase electric railway, by H. C. Trow, pp. 137–153.

CURWEN, S. M. Economic factors in the selection of cars for urban service. Annals of the American Academy of Political and Social Science, xxxvii, pp. 82–87 (January, 1911).

An interesting article outlining the merits of different types of cars and strongly favoring standardization of equipment.

EMMONS, C. D. The relations of the electric railway company with its employees. *Ibid.*, pp. 88–92.

Suggests methods by which the company may increase the loyalty of its employees and get better service.

FISH, WILLISTON. Methods of increasing the efficiency of surface lines in large cities. *Ibid.*, pp. 43–58.

HERRICK, A. B. Practical electric railway handbook. 2d edition. New York, 1906. 460 pp.

——, and BOYNTON, E. C. American electric railway practice. 2d edition. New York, 1907. 403 pp.

Gives practical information relating to the construction, operation and maintenance of electric railways.

HOUSTON, E. J., and KENNELLY, A. E. Electric street railways. New York, 1906. 373 pp.

An elementary book for the reader who is without technical knowledge.

NORRIS, H. H. Electric railways; a comprehensive treatise on modern electric railway practice, including practical details of equipment, power-house design, maintenance of way, and management. Chicago, 1912. 281 pp.

PIERCE, D. T. The strike problem upon electric railways. Annals of the American Academy of Political and Social Science, xxxvii, pp. 93–103 (January, 1911).

Takes examples chiefly from the Philadelphia strike of 1908.

SWINGLE, C. F. Electric railway power stations. Chicago, 1909. 718 pp.

6. STREET RAILWAY VALUATIONS, FINANCE AND TAXATION

CONWAY, THOMAS, Jr. Decreasing financial returns upon urban street railway properties. Annals of the American Academy of Political and Social Science, xxxvii, pp. 14–30 (January, 1911).

Gives some reasons for the increasing cost of operation of street railways.

FORD, F. R. The valuation of intangible street railway property. *Ibid.*, pp. 119–141.

Defines and classifies intangible property and gives methods of determining its value.

PETERS, J. W. S. A suggested sliding scale of dividends for street railways, determined by the quality of the service. National Municipal Review, ii, pp. 31–38 (January, 1913).

Outlines a rather novel scheme for obtaining good service and for giving a fair return on capital invested.

YOUNG, C. G. A logical basis for valuations. New York, 1911. 32 pp.

A paper read at the annual meeting of the Central Railway Association, held at Indianapolis, January 19, 1911.

7. STREET RAILWAY ACCOUNTING

BROCKWAY, W. B. Electric railway accounting; the monthly report, the accounting department, and the accountant. New York, 1906. 84 pp.

A brief consideration from a standpoint closely connected with operation.

FORSE, W. H. Electric railway auditing and accounting. New York, 1908. 157 pp.

Attempts to combine some of the best methods of accounting gained from many sources. Takes up all phases of street railway accounting.

JACKSON, W. B. The depreciation problem. Annals of the American Academy of Political and Social Science, xxxvii, pp. 31–42 (January, 1911).

Presents the various features to be considered in allowing for depreciation of street railway systems and explains a method of estimating the amount of depreciation.

MCCOLL, DONALD. Tramway bookkeeping and accounts. London, 1902. 226 pp. (Accountants' Library, xv.)

——. Tramway bookkeeping and accounts simplified. London, 1907. 44 pp. (*Ibid.*, xlviii.)

New York State. Public Service Commission. Second District. Uniform system of accounts for street railroad corporations. Adopted September 22, 1908. Albany, 1908. 74 pp.

——. Condensed scheme for corporations having gross operating revenues from street railroad operations amounting to less than $500,000 per annum. Adopted November 10, 1908. Albany, 1908. 74 pp.

——. Second condensed scheme for corporations having gross operating revenues from street railroad operations amounting to less than $10,000 per annum. Adopted December 2, 1908. Albany, 1908. 73 pp.

Wisconsin. Railroad Commission. Uniform classification of accounts for electric railways prescribed by the railroad commission of Wisconsin, January, 1909. Madison, 1909. 149 pp.

8. Street Railway Law

Booth, H. J. Treatise on the law of street railways, etc. 2d edition. Revised by I. C. Sutton and P. H. Denniston. Philadelphia, 1911. 922 pp.

Elliott, B. K., and W. F. A treatise on the law of railroads; containing a consideration of the organization, status and powers of railroad corporations, and of the rights and liabilities incident to the location, construction and operation of railroads; together with their duties, rights and liabilities as carriers, including street and interurban railways. 5 vols. Indianapolis, 1907.

Gilbert, F. B., and others, editors. Street railway reports annotated, reporting the electric railway and street railway decisions of the federal and state courts in the United States. 8 vols. [1903–1912]. Albany, 1904–1913.

Nellis, A. J. The law of street railroads; a complete treatise on the law relating to the organization of street railroads, the acquisition of their franchises and property, their regulation by statute and ordinance, their operation and liability for injuries to the person and property of passengers, employees and travelers, and others on the public streets and highways, including also pleading and practice. 2d edition. 2 vols. Albany, 1911.

Rosenberger, J. L. Street railway law; a comprehensive working compendium, of important street railway decisions in all parts of the country, for managers and operating, legal, and claim departments. Compiled for the Street Railway Review. Vols. i–v. Chicago, 1896–1905.

9. Rapid Transit Problems of Individual American Cities

Boston.

Bancroft, W. A. Transportation facilities in and around the city of Boston. Boston, 1910. 32 pp.

Boston Transit Commission. Legislation; court decisions; contract for the use of the subway; contract for the use of the new tunnel and subway; lease of the East Boston tunnel. Boston, 1911. 239 pp.

——. Leases of the Dorchester tunnel, Boylston Street subway, East Boston tunnel extension, Cambridge connection; extension lease of Tremont Street subway, East Boston tunnel, Washington Street tunnel. Boston, 1911. 105 pp.

Pinanski, A. E. The street railway system of metropolitan Boston. New York, 1908. 58 pp.

A brief survey of the system, with a history of its development.

Recent improvements on the Boston elevated system. Electric Railway Journal, xli, pp. 358–365, 408–414 (March 1 and 8, 1913).

A description of further extension of rapid transit lines at Boston since the completion of the Cambridge subway, including improvements at the Sullivan Square terminal, characteristics of the East Cambridge viaduct, additional facilities at North Station, the new Stadium station, present power requirements, etc.

Chicago.

Arnold, B. J. Reports on the Chicago transportation problem. 3 vols. Chicago, 1902–1905.

Heilman, R. E. Chicago traction; a study of the efforts of the public to secure good service. Princeton, 1908. 131 pp. (American Economic Association Quarterly, 3d series, ix, no. 2 (July, 1908).)

Cleveland.

Du Pont, A. B. The transportation problem of greater Cleveland. Journal, Cleveland Engineering Society, iii, no. 3, p. 3 (March, 1911).

States briefly the conditions in the four largest American cities, examining their size and shape as affecting the transportation problem, and describing conditions in Cleveland.

Detroit.

WILCOX, D. F. The control of public service corporations in Detroit. Annals of the American Academy of Political and Social Science, xxxi, pp. 576–592 (May, 1908).

Deals chiefly with attempts to control the street railway company.

New York City.

Board of Estimate and Apportionment. Report of a committee of the Board of Estimate and Apportionment and of the Public Service Commission for the First District with relation to pending proposals for the construction, equipment and operation of rapid transit lines, and upon the general transit situation in the city of New York, June 5, 1911. New York, 1911. 89 pp.

Chamber of Commerce of the State of New York. Rapid transit in New York City and in other great cities. New York, 1905. 295 pp.

A good history and description of the street railway system in New York. Also describes the systems in London, Berlin, Budapest, Paris, Glasgow, Boston, Chicago, and Philadelphia.

Citizen's Committee. The rapid transit problem of New York. New York, 1910. 35 pp.

City Club of New York. New York City transit. A memorandum addressed to the Public Service Commission for the First District by the City Club of New York. New York, 1907. 56 pp.

MALTBIE, M. R. A rapid transit policy for greater New York. Proceedings, National Municipal League, 1909, pp. 390–402.

Outlines the difficulties encountered in getting adequate rapid transit and gives the principal provisions in the new rapid transit law.

Merchants' Association of New York. Passenger transportation service in the city of New York. New York, 1903. 216 pp.

A report on the condition of the service, with recommendations for various improvements. Contains considerable information in regard to double-deck cars.

New York State. Public Service Commission. First District. History and description of rapid transit routes in New York City. New York, 1911. 109 pp.

New York City (continued).

Embraces routes constructed, under construction, and validated for construction, together with a map of each route and a combination map showing all such routes; also routes laid out but not validated up to December 31, 1909.

——. ——. ——. Dual system of rapid transit for New York City. New York, 1912. 54 pp.

Describes the new transportation facilities for New York.

WILCOX, D. F. The New York subway contracts. National Municipal Review, ii, pp. 375–391 (July, 1913).

WRIGHT, H. C. Development of transit control in New York City. Annals of the American Academy of Political and Social Science, xxxi, pp. 535–575 (May, 1908).

Aims to show the various efforts that have been made to regulate the street railways in New York City and the effect of these regulations on the operation and finances of the companies.

Philadelphia.

ARNOLD and DYER. Philadelphia's rapid transit; being an account of the construction and equipment of the Market Street subway-elevated and its place in the great system and service of the Philadelphia Rapid Transit Company, together with a review of the work of the Millard Construction Company. Philadelphia, 1908. 68 pp.

FORD, BACON, and DAVIS. Report to the Pennsylvania State Railroad Commission in the matter of complaint against the Philadelphia Rapid Transit Company, March 7, 1911. 2 vols. New York, 1911.

Considers rush-hour car service, car-equipment, and a rerouting plan. A summary of this report is in the Electric Railway Journal, xxxvii, pp. 455–458 and 1016–1022 (March 18 and June 10, 1911).

LEWIS, E. O. Philadelphia's relation to rapid transit company. Annals of the American Academy of Political and Social Science, xxxi, pp. 600–611 (May, 1908).

Presents the evil results of the contract made with the company in 1907.

MCLAIN, F. D. The street railways of Philadelphia. Quarterly Journal of Economics, xxii, pp. 233–260 (February, 1908).

A brief history of Philadelphia's experience from the time the first franchise was granted.

Philadelphia (continued).

Transit Commissioner. Report. 2 vols. Philadelphia, 1914. Vol. i, 267 pp.; ii, 69 maps and plans.

A full report with interesting statistics.

10. Subways: Planning, Construction and Cost

Arnold, B. J. City transportation; subways and railroad terminals. Journal, Western Society of Engineers, xix, pp. 325–368 (April, 1914).

Boston. See above, p. 202.

Chicago. City Council. Committee on Local Transportation. Report on transportation subways. Prepared by the bureau of engineering of the department of public works. 3 vols. Chicago, 1909.

——. ——. ——. Report on the transportation subway systems of Boston, New York, Philadelphia, Paris, London. Chicago, 1909. 151 pp.

Describes the construction and operation of subways in these cities.

——. ——. ——. Recommendations and general plans for a comprehensive passenger subway system for the city of Chicago, made and submitted to Hon. F. A. Busse, mayor, and Hon. M. J. Foreman, chairman, and members of the committee on local transportation of the city council of the city of Chicago, by B. J. Arnold, January, 1911. Chicago, 1911. 75 pp., 13 plates.

Gives general plans for immediate subway construction, and also for a comprehensive system of subways.

Gilbert, G. H., Wightman, L. I., and Saunders, W. L. The subways and tunnels of New York; methods and costs; with an appendix on tunneling machinery and methods, and tables of engineering data. New York, 1912. 372 pp.

A good description from an engineering point of view, especially of the methods of construction.

Moore, L. E. The Cambridge subway. Map and outline of the transit situation as it now exists in Boston and illustrated detailed description of the location and design of this new subway, its construction, and related subjects. Engineering News, lxvii, pp. 187–195 (February 1, 1912).

New York State. Public Service Commission. First District. New subways for New York. The dual system of rapid transit. New York, 1913. 83 pp.

The Cambridge subway. Electric Railway Journal, xxxix, pp. 782–789 (May 11, 1912).

A description of the characteristics and equipment, and of the architectural and engineering features of the tunnel.

11. Trolley Freight Services

Cummins, F. S. Possibilities of freight traffic on interurban lines. Annals of the American Academy of Political and Social Science, xxxvii, pp. 68–77 (January, 1911).

Shows the large field open to interurban electric railways and gives good suggestions in regard to operation.

Eastman, A. Express business on interurban lines. *Ibid.*, xxxvii, pp. 78–81 (January, 1911).

Briefly outlines methods of conducting this business.

King, C. L. A study of trolley light freight service and Philadelphia markets in their bearing on the cost of farm produce. Made under direction of Rudolph Blankenburg, mayor of Philadelphia. Philadelphia, 1912. 58 pp. (Publication of the Philadelphia Department of Public Works.)

See especially pp. 15–23. Considers means of bettering the transportation of farm produce from the surrounding country to the Philadelphia markets.

New York City. Mayor's Market Commission. Report. December, 1913. New York, 1914. 311 pp.

Trolley freight, a promising agency for local distribution, by C. L. King, pp. 129–134.

Wilgus, W. J. Proposed new railway system for the transportation and distribution of freight by improved methods in the city and port of New York. Submitted to the Public Service Commission for the First District by the Amsterdam Corporation, September 25, 1908. New York, 1908. 108 pp.

Electric express service at Boston. Electric Railway Journal, xl, pp. 1224–1226 (December 21, 1912).

Describes the system and gives an outline of plans for future rapid transportation of merchandise in the Boston suburban district.

See also Markets.

12. Street Railway Franchises

Allen, W. S. Street railway franchises in Massachusetts. Annals of the American Academy of Political and Social Science, xxvii, pp. 91–110 (January, 1906).

Traces the development of street railway franchises in Massachusetts from 1854 to date.

King, C. L., editor. The regulation of municipal utilities. New York, 1912. 404 pp. (National Municipal League series.)

Ch. ix (pp. 165–181), Suggestions for a model street railway franchise, by D. F. Wilcox and J. W. S. Peters.

West, Max. Municipal franchises in New York. In Municipal monopolies, edited by E. W. Bemis, ch. v (pp. 365–422). 4th edition. New York, 1904. 691 pp.

Considers surface railways, elevated railway, and subways.

Wilcox, D. F. Municipal franchises. 2 vols. New York, 1910–1911.

Vol. ii, ch. xxiii, Elements of a model street railway franchise; ch. xxiv, Street railway franchises in greater New York; ch. xxv, Street railway settlement franchises of Chicago and Cleveland; ch. xxvi, Street railway franchises that are perpetual; ch. xxvii, Street railway franchises that are indeterminate; ch. xxviii, Exclusive street railway franchises; ch. xxix, Street railway franchises granted for compensation; ch. xxx, Low fare street railway franchises; ch. xxxi, Miscellaneous street railway franchises; ch. xxxii, Franchises for elevated railways; ch. xxxiii, Passenger subway and freight tunnel franchises; ch. xxiv, Interurban railway franchises.

——. Street railway franchises. Proceedings, Third Annual Conference of Mayors and other Officials of the Cities of New York, pp. 197–212 (1912).

See also Franchises.

SECTION XXXVI. FRANCHISES

1. Lists of References

King, C. L., editor. The regulation of municipal utilities. New York, 1912. 404 pp. (National Municipal League series.).

Selected bibliography, pp. 387–391.

Wilcox, D. F. Municipal franchises. 2 vols. New York, 1910–1911.

Lists of authorities, i, pp. 664–671.

2. General Discussions

American Academy of Political and Social Science. Municipal ownership and municipal franchises. Annals, xxvii, whole no. 92 (June, 1906). Philadelphia, 1906. 233 pp.

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Ch. xxxviii (pp. 264–274), Municipal franchises and contracts. Outlines some principles that should govern the framing of a franchise.

Beard, C. A. American city government. New York, 1912. 420 pp.

Ch. vii (pp. 190–217), Franchises and public utilities. Describes the corrupt practices in granting early franchises and discusses the provisions usually contained in present-day franchises.

Brown, C. C. A modern municipal franchise. Proceedings, American Society of Municipal Improvements, 1908, pp. 20–26.

Is chiefly an analysis of the franchise granted to the gas company in Indianapolis.

McLaughlin, A. C., and Hart, A. B. Cyclopedia of American government. 3 vols. New York, 1914.

Franchises, corporation, financial and legal aspects of, ii, pp. 44–48. References, p. 48.

Matthews, Nathan. Municipal charters. Cambridge, 1914. 210 pp. (Harvard University. Bureau for Research in Municipal Government. Publication no. 1.)

Ch. v (pp. 43–49), Relations with public service corporations.

National Municipal League. Report of committee on franchises. National Municipal Review, iii, pp. 13–27 (January, 1914.)

Considers the merits of state and municipal control of franchises.

Wait, J. C. Law of operations. New York, 1901. 638 pp.

Franchises, pp. 567–587.

West, Max. Municipal franchises in New York. In Municipal monopolies, edited by E. W. Bemis, ch. v (pp. 365–422). 4th edition. New York, 1904. 691 pp.

Considers: (1) ferries and docks; (2) surface railways; (3) elevated railways; (4) rapid transit; (5) the Brooklyn bridges; (6) water, gas and electricity.

Whinery, Samuel. Municipal public works. New York, 1903. 241 pp.

Ch. xv (pp. 219–241), Quasi-public corporations and their control. Discusses some of the essentials of a good franchise.

WILCOX, D. F. The constitution and public franchises. Proceedings, Academy of Political Science of the City of New York, v, no. 2, pp. 448–464 (January, 1915). (Publication of Columbia University.)

——. Protection for municipal franchises; with model sections for a commission government charter. In A loose leaf digest of short ballot charters, edited by C. A. Beard, pp. 21701–21706. New York, 1911.

3. SPECIAL TREATISES

JOYCE, J. A. A treatise on franchises, especially those of public service corporations; containing also in an appendix the public service commission law of New York and the public utility law of Wisconsin. New York, 1909. cxxi, 1130 pp.

KING, C. L., editor. The regulation of municipal utilities. New York, 1912. 404 pp. (National Municipal League series.)

Regulation through franchise: Pt. II, ch. iv, Franchise essentials; ch. v, The sliding-scale method of regulation as applied to gas companies in Massachusetts, by E. N. Wrightington; ch. vi, Is a national basis possible for telephone rates, by D. C. Jackson; ch. vii, A rapid transit policy for Greater New York, by M. R. Maltbie; ch. viii, Elements of a constructive franchise policy, by D. F. Wilcox; ch. ix, Suggestions for a model street railway franchise, by D. F. Wilcox and J. W. S. Peters.

WILCOX, D. F. Municipal franchises. 2 vols. New York, 1910–1911.

An excellent discussion of all kinds of franchises, with examples from many now in existence. *Contents:* vol. i, ch. i, How franchise rights are acquired; ch. ii, What a franchise signifies; ch. iii, Monopoly profits, and ways of limiting them; ch. iv, Injuries to individuals, and ways of preventing them; ch. v, Temptations to public wrong, and ways of overcoming them; ch. vi, Electric light, heat and power as a public utility; ch. vii, Franchise conditions imposed on electric light and power companies; ch. viii, The telephone; ch. ix, Telephone franchise regulations; ch. x, The telegraph and the conditions imposed upon it by local authorities; ch. xi, Messenger and signal franchises; ch. xii, Electrical conduits; ch. xiii, Water works and water supply; ch. xiv, Sewer franchises; ch. xv, Central heating franchises; ch. xvi, Refrigeration franchises; ch. xvii, Pneumatic tubes and the franchises under which they are operated; ch. xviii, Oil pipe line franchises; ch. xix, Artificial and natural gas as public utilities; ch. xx, Gas franchises where only artificial gas is available; ch. xxi, Gas franchises in cities within reach of natural gas fields. Vol. ii,

ch. xxii, The surface street railway as a factor in modern life; ch. xxiii, Elements of a model street railway franchise; ch. xxiv, Street railway franchises in greater New York; ch. xxv, The street railway settlement franchises of Chicago and Cleveland; ch. xxvi, Street railway franchises that are perpetual; ch. xxvii, Street railway franchises that are indeterminate; ch. xxviii, Exclusive street railway franchises; ch. xxix, Street railway franchises granted for compensation; ch. xxx, Low fare street railway franchises; ch. xxxi, Miscellaneous street railway franchises; ch. xxxii, Franchises for elevated railways; ch. xxxiii, Passenger subway and freight tunnel franchises; ch. xxxiv, Interurban railway franchises; ch. xxxv, Bridge, viaduct and road franchises; ch. xxxvi, Railroad terminal, spur track, dock and market franchises; ch. xxxvii, Ferry franchises; ch. xxxviii, Omnibus and coach franchises; ch. xxxix, Constitutional and statutory limitations affecting local franchise grants; ch. xl, The initiative and referendum in franchise matters; ch. xli, Supervision of local utilities by state commissions; ch. xlii, Local utility departments, franchise bureaus and special experts; ch. xliii, The relation of public utilities to land values; ch. xliv, Compensation for franchises and taxation of public utility properties; ch. xlv, Capitalization, capital value, appraisals and purchase price; ch. xlvi, Municipal ownership.

4. Law of Franchises

Brown, C. C. Some new provisions in a proposed franchise for a municipal public service corporation. Proceedings, American Society for Municipal Improvements, 1909, pp. 274–278.

Chiefly a study of a proposed telephone franchise in Crawfordsville, Ind.

Cummins, J. S., compiler. State and territorial general statutes relating to the use of streets and highways by street railway, gas, water, and electric light companies. Chicago, 1905. 268 pp.

A reference book giving the general laws of the various states and territories primarily governing the subject of franchise rights.

Dillon, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

Street franchises, iii, ch. xxv (pp. 1904–2087).

Foote, A. R., and Everett, C. E. The law of incorporated companies operating under municipal franchises. 3 vols. Cincinnati, 1892.

Gives the law and decisions in each state on franchises of gas, electric, telephone, street railway, and water companies, etc.

McQUILLIN, EUGENE. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
Franchises, iv, ch. xxxiv (pp. 3349–3788). A thorough study of all phases of the subject.

MALTBIE, M. R. The indeterminate franchise for public utilities; or, Tenure during good behavior. Annual report, New York Public Service Commission, First District, 1908, i, Appendix A (pp. 175–208).

MORGAN, W. O. The indeterminate permit as a satisfactory franchise. Annals of the American Academy of Political and Social Science, xxxvii, pp. 142–159 (January, 1911).
Deals especially with conditions in Wisconsin.

POND, O. L. Municipal control of public utilities. New York, 1906. 115 pp.

WILCOX, D. F. Franchise provisions in commission charters and statutes. Annals of the American Academy of Political and Social Science, xxxviii, pp. 783–797 (November, 1911).
Outlines some provisions which should be in city charters in regard to franchises and the methods of granting them. A brief and very readable discussion.

Power of municipal corporations to grant exclusive privileges. Albany Law Journal, lxx, pp. 55–58 (February, 1908).

See also Public Service Corporations, Municipal Ownership.

SECTION XXXVII. PUBLIC SERVICE CORPORATIONS

1. LISTS OF REFERENCES

American Society of Civil Engineers. Bibliography on valuation of public utilities. Proceedings, xxxix, pp. 1273–1333 (August, 1913).

KING, C. L., editor. The regulation of municipal utilities. New York, 1912. 404 pp. (National Municipal League series.)
Bibliography, pp. 387–391.

LAPP, J. A. Public service commission laws. A comparison of the laws of New York, Wisconsin, Massachusetts, New Jersey, and Maryland. Columbus, 1911. 18 pp.
Public utilities commissions, selected list of references, pp. 15–18.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Public service corporations, iii, pp. 110–112. References, p. 112.

Morton, F. N. Public utilities references. Special Libraries, ii, pp. 101–106 (November, 1911).

National Association of Railway Commissioners. Select list of references on the valuation of public service corporations. Compiled by Mary M. Rosemond. New York, 1912. 25 pp.

New York State. Public Service Commission. First District. Library. A list of references relating to the organization and work of the New York Public Service Commission. New York, 1908. 3 pp.

United States. Library of Congress. Division of Bibliography. Select list of references on public utilities commissions. Washington, 1912. 15 pp. (typewritten).

——. Select list of references on public service rates in the United States and foreign countries. Washington, 1911. 7 pp. (typewritten).

Wyer, S. S. Regulation, valuation and depreciation of public utilities. Columbus, 1913. 313 pp.
Selected bibliography, pp. 252–275.

Public utilities references. Special Libraries, iii, pp. 20–22 (February, 1912).

2. General Discussions

American Academy of Political and Social Science. The control of municipal public service corporations. Annals, xxxi, no. 3 (May, 1908). Philadelphia, 1908. 201 pp.
Public utilities regulation in New York, by Henry Bruère; Development of transit control in New York City, by H. C. Wright; The control of public service corporations in Detroit, by D. F. Wilcox; The Boston Consolidated Gas Company, by J. L. Richards; Philadelphia's relation to rapid transit company, by E. O. Lewis; Franchise grants in New York City, by J. J. Murphy; Recent phases of Chicago's transportation problem, by W. E. Hotchkiss; Public service corporations of New Orleans, by S. Wolff; Chicago's new charter movement, its relation to municipal ownership, by M. J. Foreman; The public service commissions of the state of New York, by H. M. Pollock; Restrictive legislation

against public service corporations in New Jersey, by F. Bergen; The relation of Chicago to public service corporations, by G. C. Sikes; Result of further legislative regulation of electric railways, by J. B. MacAfee.

——. State regulation of public utilities. Annals, liii, whole no. 142 (May, 1914). Philadelphia, 1914. 317 pp.

Contains articles on legislation as to state public utility commissions, state regulation and municipal activities, uniform accounting and franchises, public control over securities, valuation of public utilities, electric and water rates, standards for service.

——. Proceedings of the Conference of American Mayors on public policies as to municipal utilities. Philadelphia, 1915. 357 pp.

Contains articles on practical utility problems, the regulation of utilities, local and state regulation of municipal utilities, municipal ownership and operation, holding companies and the public welfare.

Case and Comment. The regulation of public utilities. Vol. xx, no. 6, pp. 371–408 (November, 1913). Rochester.

Contains articles on: Incompatibility of the public ownership function with American republican government, by R. L. Dunn, pp. 371–377; Regulation *vs.* ownership, by O. L. Pond, pp. 378–383; Public ownership and management of public utilities, by E. J. James, pp. 393–394; Government ownership in the District of Columbia, by A. W. Dunn, pp. 395–396; Government ownership of railroads in Alaska, by F. K. Lane, p. 397; Governmental construction and operation of Alaskan railways, by Sydney Anderson, pp. 398–401; Municipal ownership, by W. C. Ralston, pp. 407–408.

ERICKSON, HALFORD. Regulation of public utilities. Madison, 1911. 66 pp.

Discusses: (1) rate for electric current; (2) freight rates; (3) government regulation of security issues of public corporations.

HOWE, F. C. The modern city and its problems. New York, 1915. 390 pp.

Ch. xii (pp. 149–164), The city and the public service corporation.

KING, C. L., editor. The regulation of municipal utilities. New York, 1912. 404 pp. (National Municipal League series.)

Contains the most important papers on the franchise problem which have been presented to the National Municipal League, brought up to date with considerable additional material by the editor. Among the elements of the problem presented are: municipal ownership *v.* adequate regulation, with an illustrative article on the Minneapolis gas settlement; regulation through franchise, in relation to gas, telephones, and street railways; regulation through municipal utility commissions, as illustrated

in Los Angeles, Kansas City and St. Louis; and regulation through state public utility commissions, as conducted in Massachusetts, Wisconsin, and New York.

KNOWLES, MORRIS. Public utilities regulation and its relation to water conservation. Proceedings, Engineers' Society of Western Pennsylvania, xxviii, pp. 795–864 (January, 1913).

——. State regulation of public utilities. Journal, New England Waterworks Association, xxvi, pp. 274–286 (September, 1912).

Explains the benefits of regulation and discusses methods and principles to be followed.

Minnesota Home Rule League. Regulation of public utilities in Wisconsin: an analysis of the system and results. Minneapolis, 1914. 46 pp.

For a reply to this article, see G. C. Mathews, Annals of the American Academy of Political and Social Science, liv, pp. 303–320 (July, 1914).

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.

Ch. xii (pp. 225–249), The control of the municipal public service corporation.

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.

Ch. x (pp. 208–240), The relation of the city to public utilities. Considers chiefly the control of water, gas, electric light, and street railway services.

WHINERY, SAMUEL. Municipal public works. New York, 1903. 241 pp.

Ch. xv (pp. 219–241), Quasi-public corporations and their control. Considers control in regard to rates, quality of service, etc.

WHITFIELD, J. B. Public utility corporations in general. American Law Review, xli, pp. 870–891 (November–December, 1907).

WHITTEN, R. H. Regulation of public service companies in Great Britain, with supplemental chapters on the Boston sliding scale and Toronto auction sale and maximum dividend plans. New York, 1914. 231 pp.

Reprint of Appendix G of the annual report of the Public Service Commission for the First District, State of New York, for the year ending December 31, 1913.

WILCOX, D. F. The American city. New York, 1911. 423 pp.
Ch. iii (pp. 52–90), The control of public utilities. Considers control by means of franchises and by municipal ownership.

3. SPECIAL TREATISES

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.
Gives the results of an extensive investigation as to the operation of water, gas, electric, and street railway companies in England and in the United States.

4. PUBLIC UTILITIES LAW

American Telegraph and Telephone Company, compiler. Comparative summary of laws relating to telephone and telegraph companies by commission. In force November 1, 1913. 3d edition. Boston, 1914. 710 pp.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
Law of public utilities, iii, ch. xxvi (pp. 2088–2308). Considers transportation, water, and light.

FOOTE, A. R. Regulation of public utilities; a comparison of the New York and the Wisconsin public utilities bills. Published by the Legislative Reference Department of the Ohio State Library. Columbus, 1911. 36 pp.
Originally published in 1907 by the Legislative Reference Department of Wisconsin. Appendix to this report prepared by the Legislative Reference Department of the Ohio State Library. Select list of references, pp. 34–36.

LAPP, J. A. Public service commission laws. A comparison of the laws of New York, Wisconsin, Massachusetts, New Jersey and Maryland. Published by the Legislative Reference Department of the Ohio State Library. Columbus, 1911. 18 pp.

MUNSON, C. LA R. The public service company law of Pennsylvania (approved July 26, 1913); digested, topically arranged and indexed. Williamsport, Pa., 1913. 64 pp. Copy of the act, 76 pp. (Privately printed.)
A useful tabulation.

National Civic Federation. Department on Regulation of Interstate and Municipal Utilities. Commission regulation of public utilities; a compilation and analysis of laws of forty-three states and of the federal government for the regulation by central commission of railroads and other public utilities. New York, 1913. 1284 pp.

A valuable reference book.

——. Draft bill for the regulation of public utilities, with documents relating thereto. New York, 1914. 124 pp.

POND, O. L. A treatise on the law of public utilities operating in cities and towns. Indianapolis, 1913. 954 pp.

WHERRY, W. M., Jr. Four public utilities laws analyzed: Illinois, Indiana, Pennsylvania, and West Virginia. New York, 1913. 28, 28, 28, 7 pp.

WYMAN, BRUCE. The special law governing public service corporations and all others engaged in public employment. 2 vols. New York, 1911.

Pt. I, Public employment; Pt. II, Public profession; Pt. III, Duty to the public; Pt. IV, Justification for refusing service; Pt. V, Commencement of service; Pt. VI, Management of the business; Pt. VIII, Liability for default; Pt. IX, Restriction of charges; Pt. X, Prevention of discrimination.

See also Franchises, Law of.

5. PUBLIC UTILITIES STATISTICS

Commercial and Financial Chronicle. Vol. i, 1865. New York. Published weekly.

FORD, J. F. Public utility statistics. American Municipalities, xxiv, pp. 135–145 (February, 1913).

Local Securities Manual Company. A public service securities manual; containing detailed descriptions of upward of two hundred corporations; revised to October 1, 1913. Cleveland, 1913. 95 pp.

MARKS, W. D. The finances of gas and electric light and power enterprises. Electric railways, electric light stations, gas works, oil motor cars. New York, 1907. 540 pp.

Moody's Manual of Railroads and Corporation Securities. Public Utilities section. First annual number, 1900. New York. Published annually.

See also above, p. 197.

Poor's Manual of Public Utilities; street railway, gas, electric, water, power, telephone and telegraph companies. First number, 1913. New York. Published annually.

Previous to 1913 see Poor's Manual of Industrials and Public Utilities.

6. Taxation of Public Utilities

Chase, H. S. Standard and uniform reports from public utilities both municipally and privately operated. Proceedings, National Municipal League, 1906, pp. 227–243.

Gives some tenative schedules and illustrative experiences.

Foote, A. R. Taxation of public service corporations. *Ibid.*, 1907, pp. 264–268.

Advocates grading taxes in proportion to efficiency of service.

Moore, J. R. Taxation of corporations in Illinois, other than railroads, since 1872. Urbana, 1913. 110 pp. (University of Illinois. Studies in the Social Sciences, ii, no. 1 (March, 1913).)

Plehn, C. C. The taxation of franchises in California. National Municipal Review, i, pp. 337–354 (July, 1912).

——. Taxation of public service corporations. Addresses and proceedings, First National Conference on State and Local Taxation (1907), pp. 622–634.

Pond, O. L. The taxation of corporations. Yale Law Journal, xxiv, pp. 381–390 (March, 1915).

Advocates the separation of sources of state and local revenue, the classification of property, and the taxation of public service corporations directly by the state for state revenue only and based on gross income.

Shortt, Adam. Taxation of public service corporations. Addresses and proceedings, First National Conference on State and Local Taxation (1907), pp. 635–648.

Both of the above-mentioned articles agree that gross earnings is the best basis for taxation, consider the rate at which the earnings should be taxed, and answer objections raised on the grounds of a public service corporation operating in more than one state.

See also C. C. WILLIAMSON, A reader's guide to the Addresses and proceedings of the annual conferences on state and local taxation, i–vi (1907–1912), under the auspices of the National Tax Association. Madison, 1913. 41 pp.

See also Taxation.

7. VALUATION OF PUBLIC UTILITIES

ADAMS, H. C. Valuation of public service utilities. American Economic Association Quarterly, 3d series, xi, pp. 184–195 (April, 1910).

Considers: (1) the relation of valuation to rate; (2) the relation of valuation to capitalization; and (3) the relation of valuation to taxation.

ALLISON, J. E. Ethical and economic elements in public service valuations. Quarterly Journal of Economics, xxvii, pp. 27–49 (November, 1912).

ARNOLD, B. J. Report on the value of the properties of the metropolitan street railway system of Kansas City. Vol. i. Chicago, 1913. 226 pp.

BURNS, C. S. Valuation of public utilities. Municipal Journal and Engineer, xxix, pp. 744–746 (November 30, 1910).

Discusses depreciation and present value, deducing formulas, and explaining a new method of appraisement.

ERICKSON, HALFORD. The valuation of public utilities. Indianapolis, 1912. 43 pp.

FLOY, HENRY. Valuation of public utility properties. New York, 1912. 390 pp.

FORD, F. R. Valuation of intangible street railway property. Annals of the American Academy of Political and Social Science, xxxvii, pp. 119–141 (January, 1911).

Defines and classifies intangible property and gives definite methods for determining its value.

FOSTER, H. A. Engineering valuation of public utilities and factories. New York, 1912. 345 pp.

Ch. i, Value; ch. ii, Purposes of valuation; ch. iii, Directions for valuation of tangible property; ch. iv, Instructions for valuation; ch. v, Forms for use in making a valuation; ch. vi, Cost of valuing a property; ch. vii, Value of good will, going concern, or going value; ch. viii, Depreciation; ch. ix, Amortization; ch. x, Handling of depreciation funds; ch. xi, Appreciation; ch. xii, Franchise; ch. xiii, Capitalization; ch. xiv, Control of public utilities; ch. xv, Court decisions. Bibliography, pp. 330–332.

HALL, R. S. Physical valuation of public utilities. Engineering Magazine, xlv, pp. 161–165 (May, 1913).
Discusses depreciation in its relations to investments, earnings, and current value.

HAYES, H. V. Public utilities; their cost new and depreciation. New York, 1913. 262 pp.
Presents the principles which must form the basis for a valuation of a public utility undertaking. Gives references to important court decisions.

HEILMAN, R. E. Development by commissions of the principles of public utility valuation. Quarterly Journal of Economics, xxviii, pp. 269–291 (February, 1914).

NASH, L. R. Valuation of public service properties. 2d edition. Boston, 1912. 20 pp.
Reprinted from Stone and Webster, Public Service Journal, xi, pp. 241–260 (October, 1912).

RIGGS, H. E. The valuation of public service corporation property. Proceedings, American Society of Civil Engineers, lxxii, pp. 1–170 (June, 1911).
Considers the reasons for requiring such valuations, and discusses the methods which should be used in arriving at a correct cost of reproduction and depreciation.

WHITTEN, R. H. Valuation of public service corporations. New York, 1912. 798 pp.
A thorough discussion of the subject. Cites numerous decisions of the courts.

——. Supplement to the above. New York, 1914. 799–1443 pp.

WILLIAMS, W. H. Valuation of public service corporations. American Economic Association Quarterly, 3d series, xi, pp. 196–238 (April, 1910).
Is chiefly concerned with railroads, but contains material on bases of valuation, and quotes various court decisions in regard to valuation.

WYER, S. S. Regulation, valuation and depreciation of public utilities. Columbus, 1913. 313 pp.
Selected bibliography, pp. 252–275.

8. PUBLIC SERVICE COMMISSIONS

ALLISON, J. E. Work of public service commissions. Some problems that arise in the regulation of utilities. Public Service, xii, pp. 98–101 (March, 1912).

EASTMAN, J. B. The public utilities commissions in Massachusetts. Proceedings, National Municipal League, 1908, pp. 288–307.

Gives a brief history of the commissions and points out what they have accomplished.

ESHELMAN, J. M., and WORKS, L. R. State *v.* municipal regulation of public utilities. National Municipal Review, ii, pp. 11–23 (January, 1913).

Discusses the public utilities law in California.

GRAY, J. H. Public service commissions. Proceedings, American Political Science Association, iv, pp. 324–335 (1907).

Compares especially the commissions established in Massachusetts, New York, and Wisconsin.

HATTON, W. H. Public service commissions. American Economic Association Quarterly, 3d series, ix, pp. 263–309 (1908).

Considers valuation of public utility property, uniform accounting and publicity, franchises, state regulation and home rule, rates and classification, and court review. Includes a discussion by members of the association.

HUDNALL, G. B. The public service commission law of Wisconsin. Proceedings, American Political Science Association, iv, pp. 316–323 (1907).

Compares the New York and Wisconsin laws.

KENNEDY, J. S. New York public service commissions. Forum, xlviii, pp. 584–595 (November, 1912).

LAPP, J. A. Public utilities. American Political Science Review, i, pp. 626–638 (August, 1907).

A careful comparison of the laws of New York and Wisconsin creating public service commissions.

——. Public utilities. *Ibid.*, v, pp. 593–599 (November, 1911).

MEYER, B. H. The Wisconsin public utilities law. Proceedings, National Municipal League, 1908, pp. 257–268.

Outlines the law and its administration.

OSBORNE, T. M. The New York public service commissions. *Ibid.*, 1908, pp. 269–287.

POLLOCK, H. M. The public service commissions of the state of New York. Annals of the American Academy of Political and Social Science, xxxi, pp. 649–658 (May, 1908).

Tells of the formation of the commissions and outlines their powers.

REED, R. W. The relation of municipal public utility corporations to the public. Pacific Municipalities, xxvi, pp. 646–655 (December, 1912).

WHITNEY, T. H. The New York city public service commission. Proceedings, American Political Science Association, v, pp. 96–110 (1908).

Outlines the principal provisions of the law and takes up some of the important matters dealt with by the commission.

There is much useful data, but usually of a technical character, in the reports of the various state commissions, which are issued annually.

9. PERIODICAL PUBLICATIONS

Public Service Magazine. Vol. i, 1898. Chicago. Monthly.

Stone and Webster. Public Service Journal. Vol. i, July, 1907. Boston. Monthly.

SECTION XXXVIII. MUNICIPAL OWNERSHIP

1. LISTS OF REFERENCES

BROOKINGS, W. D., and RINGWALT, R. C. Briefs for debate on current, political, economic, and social topics. New York, 1911. 213 pp.

Municipal ownership of natural monopolies, pp. 132–134.

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Municipal control, municipal ownership, pp. 157–169.

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 19–76 (April, 1908).

Municipal ownership and control, pp. 52–56.

KING, C. L., editor. The regulation of municipal utilities. New York, 1912. 404 pp. (National Municipal League series.)

A selected bibliography, pp. 387–391.

KNOOP, DOUGLAS. Principles and methods of municipal trading. London, 1912. 409 pp.

Bibliographical note, pp. 389–393.

MORGAN, J. E., and BULLOCK, E. D., compilers. Selected articles on municipal ownership. Minneapolis, 1911. 219 pp. (Debaters' Handbook series.)

Bibliography (chiefly of magazine articles), pp. xv–xxiv.

RINGWALT, R. C. Briefs on public questions, with selected lists of references. New York, 1911. 229 pp.
Bibliography on municipal ownership of street railways, pp. 184–190.

ROBBINS, E. C. The high school debate book. Chicago, 1911. 229 pp.
Bibliography on municipal ownership, pp. 134–145.

United States. Library of Congress. Division of Bibliography. Select list of books on municipal affairs, with special reference to municipal ownership. Washington, 1906. 34 pp.

——. ——. List of references on municipal gas and water supply. Washington, 1910. 8 pp. (typewritten).

——. ——. Select list of references on municipal ownership and operation of street railways. Washington, 1912. 66 pp. (typewritten).

University of Texas. Department of Extension. Public Discussion and Information Division. Municipal ownership of public utilities. Austin, 1910. 7 pp. (University of Texas. Bulletin no. 158; extension series, no. 8.)

2. BRIEF GENERAL DISCUSSIONS

American Academy of Political and Social Science. Proceedings of the Conference of American Mayors on public policies as to municipal utilities. Philadelphia, 1915. 357 pp.
Pt. IV (pp. 188–276), Municipal ownership and operation.

BEARD, C. A. American city government. New York, 1912. 420 pp.
Ch. viii (pp. 218–241), Municipal ownership. Gives theoretical arguments on both sides, with some practical examples.

BLISS, W. D. P., editor. New encylopaedia of social reform. New York, 1908. 1321 pp.
Municipal ownership, pp. 788–795.

HOWE, F. C. The modern city and its problems. New York, 1915. 390 pp.
Ch. xiii (pp. 165–175), Municipal ownership in America; ch. xiv (pp. 176–193), Municipal ownership in Europe.

MUNRO, W. B. The Civic Federation report on public ownership. Quarterly Journal of Economics, xxiii, pp. 161–174 (November, 1908).

SELIGMAN, E. R. A. Principles of economics, with special reference to American conditions. 4th edition. New York, 1914. 711 pp.

Development and conditions of public ownership, pp. 658–666; municipal monopolies, pp. 666–669.

TAUSSIG, F. W. Principles of economics. 2 vols. New York, 1912.

Vol. ii, ch. lxii (pp. 397–418), Public ownership and public control.

WHINERY, SAMUEL. Municipal public works. New York, 1903. 241 pp.

Ch. xiv (pp. 189–218), Municipal ownership. Gives arguments on both sides of the question.

WILCOX, D. F. Municipal franchises. 2 vols. New York, 1910–1911.

Vol. ii, ch. xlvi (pp. 803–809), Municipal ownership. Considers the question from the political, financial and theoretical viewpoints.

——. Effects of state regulation upon the municipal ownership movement. Annals of the American Academy of Political and Social Science, liii, whole no. 142, pp. 71–84 (May, 1914).

ZUEBLIN, CHARLES. Municipal ownership in the United States. Chautauquan, lxii, pp. 103–110 (March, 1911).

Gives some reasons for the extension of municipal ownership in the United States.

3. SELECTED READINGS

KING, C. L., editor. The regulation of municipal utilities. New York, 1912. 404 pp. (National Municipal League series.)

Contains good articles on various phases of the question.

MORGAN, J. E., and BULLOCK, E. D., compilers. Selected articles on municipal ownership. Minneapolis, 1911. 219 pp. (Debaters' Handbook series.)

Contains a number of conveniently-arranged articles on both sides of the question.

4. DISCUSSIONS IN DETAIL

American Academy of Political and Social Science. Municipal ownership and municipal franchises. Annals, xxvii, whole no. 92 (January, 1906). Philadelphia, 1906. 233 pp.

CASE, G. L. Municipal ownership of public service utilities. Cleveland, 1907. 29 pp.

KENT, C. A. Suggestions for and against municipal ownership of public utilities. Publications, Michigan Political Science Association, v, no. 4, pp. 1–40 (March, 1904).

States the chief arguments on both sides, but inclines toward private ownership.

LOWELL, A. L. The government of England. 2 vols. New York, 1912.

Vol. ii, ch. xliv (pp. 233–267), Municipal trading.

National Civic Federation. Report on municipal and private operation of public utilities. 3 vols. New York, 1907.

Presents the results of public and private gas, water, electric light, and street railway systems in a number of cities in the United States and England.

5. ARGUMENTS IN FAVOR

BEMIS, E. W., editor. Municipal monopolies. 4th edition. New York, 1904. 691 pp.

BROWN, G. S. Municipal ownership of public utilities. North American Review, clxxxii, pp. 701–708 (May, 1906).

HOWE, F. C. Case for municipal ownership. Publications, American Economic Association, 3d series, vii, pp. 113–133 (February, 1906).

Considers municipal ownership as a necessary adjunct to democracy and shows that it has paid financially as well as in other respects.

——. The city; the hope of democracy. New York, 1905. 319 pp.

See especially ch. viii and ix (pp. 113–157). Compares municipal and private ownership of utilities, with examples chiefly from English cities.

SHAW, G. B. The common sense of municipal trading. London, 1908. 120 pp.

6. ARGUMENTS AGAINST

AVEBURY, LORD [SIR JOHN LUBBOCK]. On municipal and national trading. London, 1907. 178 pp.

Contends that cities have enough to do without owning public utilities, and cites instances and arguments to show that municipal ownership in England is a failure.

BURDETT, E. W. Municipal ownership in Great Britain. Journal of Political Economy, xiv, pp. 257–314 (May, 1906).

DANIELS, W. M. Municipal ownership. Proceedings, American Political Science Association, ii, pp. 105–125 (1905).
Presents arguments and evidence to show that municipal ownership is not an economic success.

DARWIN, LEONARD. Municipal trade. The advantages and disadvantages resulting from the substitution of representative bodies for private proprietors in the management of industrial undertakings. New York, 1903. 464 pp.
Considers chiefly what industries can advantageously be owned and operated by the municipality. Deals mostly with England.

GUYOT, YVES. Where and why public ownership has failed. Translated by H. F. Baker. New York, 1914. 459 pp.
Deals chiefly with experience in Europe. Book I, Public and private trading operations; book II, Financial results of government and municipal ownership; book III, Administrative results; book IV, Political and social consequences of public operation.

MARSTON, GLENN. Two hundred municipal ownership failures. Chicago, 1912. 29 pp.

PORTER, R. P. The dangers of municipal ownership. New York, 1907. 356 pp.
Gives a brief history of municipal ownership in Great Britain and points out its defects. In general, the author endeavors to show: (1) municipal trading (or ownership) as an undesirable element in state and local government, and as a menace to progress and to society; (2) its financial unsoundness; and (3) that an examination of specific public undertakings supports the general arguments.

THURBER, F. B. Arguments against municipal ownership. North American Review, clxxxii, pp. 853–860 (June, 1906).

TOWLER, W. G. Socialism in local government. London, 1908. 335 pp.
Takes the position that municipal ownership is a step toward socialism and as such should be opposed in Great Britain.

7. MUNICIPAL OWNERSHIP ABROAD

Europe.

HOWE, F. C. European cities at work. New York, 1913. 370 pp.
See index under Municipal ownership.

Europe (continued).

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.

Ch. xiv (pp. 330–349), Municipal ownership and operation; the value of foreign experience.

United States. Department of Commerce and Labor. Bureau of Statistics. Municipal ownership. Monthly Consular Reports, no. 296, pp. 284–336 (May, 1905).

France.

BERTHÉLEMY, HENRI. Gemeindebetriebe in Frankreich. Im Auftrag des Vereins für Socialpolitik, hrsg. von Carl Johannes Fuchs. Leipzig, 1910. 78 pp.

MERCIER, PIERRE. Les exploitations municipales, commerciales et industrielles en France. (Étude de droit administratif.) Paris, 1905. 313 pp.

Germany.

DAWSON, W. H. Municipal life and government in Germany. London, 1914. 507 pp.

Ch. ix (pp. 209–259), Trading enterprises.

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.

Ch. xiii (pp. 281–329), Municipal ownership and operation of street railways in Germany. Considers particularly Frankfort, Munich, Cologne, and Nuremberg.

Verein für Socialpolitik, Berlin. Gemeindebetriebe. Neuere Versuche und Erfahrungen über die Ausdehnung der kommunalen Tätigkeit in Deutschland und im Ausland. Im Auftrag des Vereins für Socialpolitik, hrsg. von Carl Johannes Fuchs. Bd. i–iii. Leipzig, 1908–1910.

Great Britain.

ALDEN, PERCY. Democratic England. New York, 1912. 271 pp.

Municipal ownership, pp. 192–214.

BOVERAT, RAYMOND. Le socialisme municipal en Angleterre et ses résultats financiers. 2d edition. Paris, 1912. 647 pp.

CRAWFORD, ROBERT. Glasgow's experience with municipal ownership and operation. Annals of the American Acad-

Great Britain (continued).

emy of Political and Social Science, xxvii, pp. 1–19 (January, 1906).

Gives the results of municipal ownership of the gas, water, electric, and street railway systems.

HOWE, F. C. The British city. New York, 1907. 370 pp.

See especially ch. vi–xi, which consider municipal trading in general and the tramways and gas and electric supply in particular.

KNOOP, DOUGLAS. Principles and methods of municipal trading. New York, 1912. 409 pp.

Deals chiefly with Great Britain and Germany. Describes municipal trading at work, considers the reasons which have led to its development, and pays particular attention to the financial aspects of the problem. Contains a good list of references to official sources, pp. 389–393.

MEYER, H. R. Municipal ownership in Great Britain. New York, 1906. 340 pp.

An investigation of municipally-owned public utilities in Great Britain. The author concludes that private ownership is much superior.

Italy.

MICHELS-LINDNER, GISELA. Geschichte der modernen Gemeindebetriebe in Italien. Im Auftrag des Vereins für Socialpolitik, hrsg. von Carl Johannes Fuchs. Leipzig, 1909. 255 pp.

Spain.

GASCÓN Y MARÍN, JOSÉ. Municipalización de servicios públicos. Madrid, 1904. 289 pp. (Biblioteca de derecho y de ciencias sociales, xxi.)

Switzerland.

PFLÜGER, PAUL, and HÜPPY, JOHANNES. Handbuch des schweizerischen Gemeindesozialismus. Zürich, 1910. 267 pp.

See also Franchises, Lighting, Public Service Corporations, Transportation, Water Supply.

8. PERIODICAL PUBLICATION

Concerning Municipal Ownership. Vol. i, 1906. New York. Published monthly.

Discontinued publication June, 1909, but resumed in January, 1913. Contains arguments against municipal ownership and lists of municipally-owned enterprises which have failed.

CHAPTER VI

SANITATION AND PUBLIC HEALTH

SECTION XXXIX. WASTE DISPOSAL, SEWERAGE AND SANITATION

1. Lists of References

Bailey, E. H. S. Text-book of sanitary and applied chemistry. 3d edition. New York, 1913. 345 pp.
Bibliography, pp. 323–332.

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Garbage and refuse disposal, pp. 83–84; sanitation and public health, pp. 240–243; sewage disposal, pp. 248–253.

Kinnicutt, L. P., Winslow, C.-E. A., and Pratt, R. W. Sewage disposal. New York, 1911. 436 pp.
Bibliography, pp. 411–421.

Maxwell, W. H., and Brown, J. T., editors. Encyclopaedia of municipal and sanitary engineering. New York, 1910. 561 pp.
References, *passim*.

New York City. Public Library. List of work on city wastes and street hygiene in the New York Public Library. Bulletin, xvi, pp. 731–783 (October, 1912).

Pittsburgh. Carnegie Library. Refuse and garbage disposal, references to books and magazine articles. Compiled by W. C. Holmes. Pittsburgh, 1909. 39 pp. (Reprinted from Monthly Bulletin, xiv, pp. 3–34 (January, 1909).)

——. ——. Sewage disposal and treatment, references to books and magazine articles. Compiled by W. C. Holmes. Pittsburgh, 1910. 96 pp. (Reprinted from *Ibid.*, xv, pp. 485–578 (November, 1910).)
The two foregoing lists are of the highest value.

United States. Library of Congress. Division of Bibliography. Select list of references on sewage and sewage disposal. Washington, 1910. 9 pp. (typewritten).

2. Refuse and Garbage: Collection and Disposal

(*a*) *General discussions and reports*

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Ch. xx (pp. 157–166), Disposal of garbage and other refuse.

Baskerville, Charles, editor. Municipal chemistry. New York, 1911. 526 pp.

Ch. xv (pp. 236–251), Street cleaning and waste disposal in New York; ch. xvii (pp. 266–275), Waste disposal by cremation, incineration, and destruction.

Goodnough, X. H. The collection and disposal of municipal refuse. Forty-first annual report, Massachusetts Board of Health, pp. 405–423 (1909).

Greeley, S. A. Methods of garbage disposal applicable to conditions in smaller cities. Engineering and Contracting, xxxix, pp. 185–187 (February 12, 1913).

Hering, Rudolph. Modern practice in the disposal of refuse. Journal, American Public Health Association, new series, i, pp. 910–919 (1911).

——. Review of general practice of disposal of municipal refuse. Transactions, American Society of Civil Engineers, liv, Pt. E, pp. 263–308 (1905).

A paper read at the International Engineering Congress and discussed by various experts.

Herrold, G. H. Collection and disposal of municipal waste. Journal, Association of Engineering Societies, l, pp. 136–146 (April, 1913).

Discusses methods and plants of various cities.

Maxwell, W. H., and Brown, J. T., editors. Encyclopaedia of municipal and sanitary engineering. New York, 1910. 561 pp.

Short explanatory articles on all the technical points.

Merriman, Mansfield. Elements of sanitary engineering. 3d edition. New York, 1906. 250 pp.

Ch. vi (pp. 216–233), Refuse and garbage.

Morse, W. F. The disposal of the city's waste. American City, ii, pp. 119–122, 177–180, 223–227, 271–274; iii, pp. 36–40, 84–88 (March–August, 1910).

Comparison of methods in various American cities.

MUNRO, W. B. Principles and methods of municipal administration. New York, 1915.
Ch. v, Municipal sanitation and sewerage.

PARSONS, H. DEB. The disposal of municipal refuse. New York, 1906. 186 pp.
A practical presentation of modern methods.

RHINES, J. K. Disposal of municipal refuse. Journal, Association of Engineering Societies, xxxiii, pp. 255–269 (October, 1905).
See also Bulletin of the League of American Municipalities, iii, pp. 69–76 (1905). Summary of the methods in use and difficulties in disposing of different kinds of refuse.

St. Louis. Civic Improvement League. Disposal of municipal waste; report of the public sanitation committee. St. Louis, 1906. 20 pp.
A discussion of general questions with special reference to St. Louis.

WATSON, H. S. Town scavenging and refuse disposal; a hand book of modern practice. London, 1911. 75 pp.
A good account of methods in use abroad.

(*b*) *Technical treatises and statistical reports*

CERF, MYRTILE, and others. The refuse incinerator. Milwaukee, 1911. 75 pp. (Milwaukee Bureau of Economy and Efficiency. Bulletin no. 5.)

FETHERSTON, J. T. Municipal refuse disposal; an investigation. Transactions, American Society of Civil Engineers, lx, pp. 345–388 (June 8, 1908).
Contains tests of the chemical composition and calorific powers of refuse, with note on British destructor practice.

GOODRICH, W. F. The economic disposal of towns' refuse. London, 1901. 340 pp.
Review of garbage and refuse disposal as practised in all parts of the world.

——. Modern destructor practice. New York, 1912. 278 pp.
An excellent treatise dealing with various types of British refuse destructors and of German and American furnaces.

GREELEY, S. A. A standard form of statistics of municipal refuse. American Journal of Public Health, ii, pp. 403–408 (June, 1912).

MAY, ARTHUR. Cleansing of cities and towns; the cleansing superintendent's handbook. 2d edition. London, 1912. 348 pp.

A good account of methods used abroad.

MORSE, W. F. The collection and disposal of municipal waste. New York, 1908. 462 pp.

An exhaustive treatise upon methods, apparatus and processes for the collection, treatment, and final disposition of waste in American municipalities. Prepared especially for city engineers, boards of health, technical schools, students of engineering and civic associations. For contents, see p. 232.

Ohio. State Board of Health. Report of a study of the collection and disposal of city wastes in Ohio. Columbus, 1911. 290 pp.

Supplement to the 25th Annual report of the State Board of Health. An extensive and careful study. One of the best available discussions of the entire problem.

United States. Department of Commerce. Bureau of Foreign and Domestic Commerce. Scientific sewage and garbage disposal. Daily Consular and Trade Report, no.29, pp. 449–459 (February 24, 1914).

VENABLE, W. M. Garbage crematories in America. New York, 1906. 200 pp.

YARNALL, D. R. Garbage disposal by reduction methods. Municipal Engineering, xxxi, pp. 211–218 (September, 1906).

A consideration of differences in composition of garbage in various cities, advantages of reduction process and operation of the Arnold apparatus.

Sanitary disposal of municipal refuse. Transactions, American Society of Civil Engineers, l, pp. 95–154 (1903).

Review of present American practice, emphasizing the fact that the problem must be dealt with by the engineer.

Statistics of refuse collection and street cleaning in American cities. Municipal Journal, xxxvi, pp. 360–361 (March 12, 1914).

3. Descriptive and Statistical Accounts of Refuse and Garbage Disposal Methods in Various American Cities

Hering, Rudolph. Final disposal of refuse in American cities. Journal, Society of Chemical Industry, xxvii, pp. 381–382 (April 30, 1908).

A brief review of methods.

Morse, W. F. The collection and disposal of municipal waste. New York, 1908. 462 pp.

Pt. I. The municipal waste of American towns: ch. i, The classification of municipal wastes; ch. ii, Municipal refuse and rubbish collection and disposition; ch. iv, Municipal ashes — collection and disposal. Pt. II. The disposal of municipal waste by crematories and incinerators: ch. v, Methods of waste disposal in American towns by incineration; ch. vi, Chronological list of American municipal crematories; ch. vii and viii, American garbage crematories; ch. ix, Portable crematories, calorific values of waste materials, forms of American furnace construction. Pt. IV. The disposal of waste by reduction and extraction process: ch. xii, The processes of reduction and extraction in the United States; ch. xiii, Merz process, Simonin process; ch. xiv, Arnold reduction process in Boston and New York; ch. xv, Arnold reduction process in New York, Philadelphia, Baltimore and Atlantic City; ch. xvi, Chamberlain or liquid separating process, other processes; ch. xvii, Edson reduction process, Cleveland municipal plant, American extractor process. Pt. V. The utilization of municipal waste: ch. xviii, Revenue to be had from waste materials, methods of utilization.

United States, Bureau of the Census. Special reports. General statistics of cities: 1909, including statistics of sewers and sewage disposal, refuse collection and disposal, street cleaning, dust prevention, highways, and the general highway service of cities having a population of over 30,000. Washington, 1913. 197 pp.

American refuse disposal plants. Municipal Journal, xxxiii, pp. 319–323 (September 5, 1912).

Describes plants at various cities, and reports a comparison of incineration, cremation, and reduction disposal-methods.

Garbage reduction and incineration plants in the larger cities of the United States. Engineering News, lix, pp. 284–285 (March 12, 1908).

An editorial consideration of the present situation.

Methods of disposal of municipal refuse in 100 cities; reduction at Columbus, Ohio, weights of different classes of refuse in several cities; tables, operating costs, etc. Municipal Journal, xxxv, pp. 625–633 (November 6, 1913).

Baltimore. WILLEY, D. A. Baltimore's system of garbage disposal. Scientific American, lxxxix, p. 308 (October 31, 1903).

Reduction by steam under pressure.

Boston.

City Council. Reports of special commissions on collection and disposal of garbage and offal in the city of Boston, 1908, 1910. Boston, 1908 and 1910. 25, 32 pp.

GOODNOUGH, X. H. Collection and disposal of municipal waste and refuse, with particular reference to Boston. Journal, Association of Engineering Societies, xl, pp. 243–274 (May, 1908).

Contains detailed tables as to character of refuse for each month of the year in different sections of the city.

Collection and disposal of Boston refuse. Engineering Record, lxvi, pp. 512–515 (May 10, 1913).

Garbage disposal problem in Boston and elsewhere. Engineering News, xlviii, pp. 96–97 (August 7, 1902).

Reduction by steam at Spectacle Island with utilization of grease for commercial purposes and sale of dried tankage for use as fertilizer.

Cambridge, Mass. Commissioners on Street Improvement. A report to the mayor and city council of the city of Cambridge upon a comprehensive plan for the development and improvement of the streets and the disposal of refuse. Cambridge, 1911. 72 pp.

Chicago.

ALDEN, E. J. Chicago garbage reduction plant. Engineering News, lix, pp. 278–281 (March 12, 1908).

Garbage is crushed, dried, treated with gasoline for extraction of grease.

City Waste Commission. Report, 1914. Chicago, 1914. 69 pp.

Incineration of Chicago refuse. Municipal Journal, xxxv, pp. 791–793 (December 11, 1913).

Chicago (continued).

Refuse collection in Chicago. *Ibid.*, xxxvi, pp. 35–39 (January 8, 1914).

Gives amount, cost, time required for collecting, hauling, and dumping, refuse loading stations, and economy of motor trucks.

Refuse disposal methods as adapted to Chicago. Municipal Engineering, xlv, pp. 528–532 (December, 1913).

Cleveland. Garbage disposal at Cleveland. Municipal Journal and Engineer, xxv, pp. 418–419 (September 23, 1908).

Garbage is digested with steam. Grease is extracted by naphtha. See also Engineering News, lxvi, pp. 650–654 (November 30, 1911).

Columbus, Ohio.

Notable report on garbage and refuse collection and refuse disposal at Columbus, Ohio. Engineering News, lv, pp. 304–306 (March 15, 1906).

Review of report by experts giving estimates and recommendations.

Results of garbage reduction at Columbus. Cost data and methods. Municipal Engineering, xlv, pp. 321–323 (October, 1913).

Detroit. FENKELL, G. H., and HINCHMAN, T. J., Jr. Reduction recommended for Detroit garbage. Engineering Record, lxix, pp. 310–311 (March 14, 1914).

Abstract of reports by above, outlining present conditions and four suggested plans.

Milwaukee, Wis.

GOODELL, R. E. Reorganization of the system of garbage collection. Prepared under the direction of B. M. Rastall. Milwaukee, 1912. 24 pp. (Milwaukee Bureau of Economy and Efficiency. Bulletin no. 12.)

Milwaukee refuse disposal report. Municipal Journal and Engineer, xxiv, pp. 189–190 (February 12, 1908).

Review of report by Rudolph Hering (now out of print) recommending a 300-ton incineration plant, with utilization of heat. For a summary of results see Journal, Association of Engineering Societies, xliii, pp. 171–184 (November, 1909); also Municipal Journal and Engineer, xxviii, pp. 643–650 (May 4, 1910).

New York City.

Department of Docks and Ferries. Report on the disposal of city wastes with accompanying map showing opportunities for disposition. New York, 1913. 18 pp.

New York (continued).

PARSONS, H. DEB. Disposal of municipal refuse, and rubbish incineration. Transactions, American Society of Civil Engineers, lvii, pp. 45–82 (December, 1906).
Considers the composition of refuse and its fuel value. Describes incineration plant at Delancey Slip, N. Y.

VERY, E. D. Collection and final disposition of city wastes by the New York department of street cleaning. Journal, Society of Chemical Industry, xxvii, p. 380 (April 30, 1908).
A description of the Barren Island reduction plant.

Rubbish incineration in New York. Municipal Journal and Engineer, xxiv, pp. 464–466 (April 15, 1908).
History and developments.

Street cleaning and refuse disposal in New York. Engineering Record, lvii, pp. 207–208 (February 22, 1908).

St. Louis.

Civic Improvement League. Disposal of municipal waste. St. Louis, 1906. 20 pp.
A discussion of the general question with special reference to St. Louis.

Garbage collection and disposal in St. Louis. Municipal Engineering, xxx, pp. 214–221 (February, 1906).

St. Paul, Minn. Committee on Municipal Garbage and Refuse Disposal. Municipal garbage and refuse disposal. St. Paul, 1913. 16 pp.

San Francisco. NISHKIAN, L. H., and MINTON, H. A. Garbage and refuse incinerators for San Francisco. Engineering News, lxxi, pp. 110–116 (January 15, 1914).

Seattle, Wash.

CRICHTON, C. E. Seattle waste destruction. Municipal Journal, xxxiv, pp. 383–384 (March 13, 1913).
Shows the economy of using auto-trucks for removal.

MORSE, W. F. Seattle refuse destructor. Municipal Journal and Engineer, xxiv, pp. 521–523 (April 29, 1908).
The first destructor of Meldrum type to be erected in the United States. See also Engineering News, lxviii, pp. 6–10 (July 4, 1912).

Worcester, Mass. Report of the special commission on the collection and disposal of municipal waste. Worcester, 1914. 34 pp.

Recommends the feeding of garbage to swine and gives reasons. For a general discussion of the same subject, see A. W. Brown, Garbage piggeries, in American Journal of Health, ii, pp. 930–936 (December, 1912).

4. Utilization of Refuse and Garbage for the Production of Steam or Electric Power

Booth, W. H. Fuel value of refuse. Electrical Review, lii, pp. 245–246 (February 6, 1903).

Branch, J. G. Heat and light from municipal and other waste. St. Louis, 1906. 305 pp.

Foster, E. H. A refuse destructor plant which operates a pumping station. American City, xi, pp. 194–197 (September, 1914).

How Savannah, Ga., has solved the problem of refuse disposal by means of a destructor that is self-supporting.

Goodrich, W. F. Refuse disposal and power production. London, 1904. 383 pp.

Gives results and figures from many British towns.

Perkins, F. C. English, German, and Swiss destructor plants. Municipal Engineering, xxxii, pp. 371–375 (June, 1907).

Brief descriptions of plants for generation of steam.

Very, E. D. Waste disposal by utilization. In Municipal chemistry, edited by Charles Baskerville, ch. xvi (pp. 252–265). New York, 1911. 526 pp.

Operating results of the Buffalo refuse utilization plant. Engineering Record, lviii, pp. 520–521 (November 7, 1908).

Heat is used for generating steam to operate the pumps of the sewage station.

5. Sewerage: Design and Construction of Sewers

Adams, J. W. Sewers and drains for populous districts; with rules and formulas for the determination of their dimensions under all circumstances. 9th edition. New York, 1902. 236 pp.

FOLWELL, A. P. Sewerage. The designing, construction and maintenance of sewerage systems. 6th edition. New York, 1912. 506 pp.

A highly useful and up-to-date work dealing with design, flushing and ventilation, sewer specifications, sewer contracts, construction and maintenance.

MARSTON, ANSON. Sewers and drains. Chicago, 1909. 156 pp.

Practical information for civil and sanitary engineers on the selection and construction of sewerage systems.

METCALF, LEONARD, and EDDY, H. P. American sewerage practice. 3 vols. New York, 1915.

Vol. i, Design; ii, Construction; iii, Disposal. The most comprehensive treatise on the general subject.

OGDEN, H. N. Sewer construction. New York, 1908. 335 pp.

Practical treatise on general construction problems including ventilation of sewers, and such matters as manholes, catch-basins, etc.

——. Sewer design. 2d edition. New York, 1907. 245 pp.

WHATSON, H. S. Sewerage systems. London, 1911. 310 pp.

An English treatise on design, construction, and maintenance, with some examples of existing works.

6. SEWAGE PURIFICATION AND DISPOSAL: BRIEF GENERAL DISCUSSIONS

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Ch. xviii (pp. 136–150), Sewage disposal.

BERGENGREN, R. W. Purification of sewage. World To-Day, xx, pp. 605–610 (May, 1911).

FAIRLIE, J. A. Municipal administration. New York, 1906. 448 pp.

Sewers and sewage disposal, pp. 245–255. A sketch of the history of city sanitation.

FULLER, G. W. The problem of sewage disposal. American City, v, pp. 343–345 (December, 1911).

International Correspondence Schools (Scranton, Pa.). International library of technology. 125 vols. Scranton, 1907–1914.

Vol. xcviii contains a section devoted to Sewage purification and disposal.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Sewers and sewage disposal, iii, pp. 301–302. References, p. 302.

MAXWELL, W. H., and BROWN, J. T., editors. Encyclopaedia of municipal and sanitary engineering. New York, 1910. 561 pp.

Sewage disposal, pp. 397–433.

MERRIMAN, MANSFIELD. Elements of sanitary engineering. 3d edition. New York, 1906. 250 pp.

Ch. v (pp. 180–215), Disposal of sewage. A good description of modern methods and of the principles on which each rests.

WHIPPLE, GEORGE C. Principles of sewage disposal. New York, 1910. 16 pp. (Reprinted from Transactions, American Institute of Chemical Engineers, iii, pp. 333–349 (1910).)

——. The sewage disposal problem in villages and small cities. American Journal of Public Health, iv, pp. 758–766 (September, 1914).

WINSLOW, C.-E. A. The disposal of city sewage. In Municipal chemistry, edited by Charles Baskerville, ch. xviii (pp. 276–299). New York, 1911. 526 pp.

7. SEWAGE ANALYSIS, PURIFICATION AND DISPOSAL: TECHNICAL DISCUSSIONS AND TREATISES

American Public Health Association. Laboratory Section. Standard methods for the examination of water and sewage. 2d edition. New York, 1913. 144 pp.

BAKER, M. N. Sewerage and sewage purification. 2d edition. New York, 1905. 153 pp.

COSGROVE, J. J. Sewage purification and disposal. Pittsburgh, 1909. 222 pp.

Treats all topics somewhat briefly.

DAVIS, G. J., and BOWLES, J. T. B. Sewage purification with special reference to Wisconsin conditions. Madison, 1909. 87 pp. (University of Wisconsin. Engineering Bulletin no. 331).

EASDALE, W. C. Sewage disposal works, their design and construction. London, 1910. 256 pp.

Deals chiefly with British disposal practice.

ELSNER, ALEXANDER, and others. Sewage sludge. New York, 1912. 272 pp.

FULLER, G. W. Sewage disposal. New York, 1912. 767 pp.
An authoritative and comprehensive work covering every branch of the subject. A full description of all processes including chemical precipitation, septic tank treatment, intermittent tank filters, sprinkling and contact filters, and broad irrigation.

KERSHAW, G. B. Modern methods of sewage purification. New York, 1911. 356 pp.
A standard treatise for civic and sanitary engineers, with a full description of purification works in actual operation.

——. Sewage purification and disposal. Cambridge (England), 1915. 340 pp.
A good treatise on the general subject.

KINNICUTT, L. P., WINSLOW, C. E. A., and PRATT, P. W. Sewage disposal. New York, 1911. 436 pp.
Another work of broad scope which describes modern problems and processes.

Massachusetts. State Board of Health. A review of twenty-one years' experiments upon the purification of sewage. Boston, 1909. 291 pp. (Reprinted from Fortieth annual report, pp. 251–538 (1908).)
An exhaustive review of very valuable investigations with filter beds, precipitation tanks, septic tanks, and irrigation methods.

METCALF, LEONARD, and EDDY, H. P. American sewerage practice. 3 vols. New York, 1915.
Vol. iii, Disposal.

RAFTER, G. W., and BAKER, M. N. Sewage disposal in the United States. 3d edition. New York, 1900. 598 pp.
Contains a full account of earlier experiments in scientific sewage disposal.

RAIKES, H. P. The design, construction, and maintenance of sewage disposal works. Being a practical guide to modern methods of sewage purification. New York, 1908. 414 pp.
Has special reference to the problems and practice of English cities.

RIDEAL, SAMUEL. Sewage and the bacterial purification of sewage. 3d edition. New York, 1906. 355 pp.

8. Sewage Disposal: Descriptive and Statistical Accounts of Existing or Proposed Plants in Various American Cities

Baker, M. N. Sewerage and sewage disposal. Bureau of the Census, Special reports, Statistics of cities having a population of over 30,000: 1905, pp. 97–106. Washington, 1907.

Daniels, F. E. Operation of sewage disposal plants. Municipal Journal, xxxvi, pp. 67–71, 237–240, 529–533, 734–736, 885–888 (January 15, February 19, March 19, April 16, May 21, and June 18, 1914); xxxvii, pp. 67–69, 225–228 (July 16 and August 20, 1914).

——. The operation of sewage disposal plants. New York, 1914. 136 pp.

Describes the practical results obtained at various small plants in America. Contains the substance of the foregoing articles, with some additions.

Jameson, R. M. Methods of sewage disposal for Texas cities. Austin, 1914. 64 pp. (Bulletin of the University of Texas, no. 362; municipal research series no. 4 (October 1, 1914).)

Bibliography, pp. 51–61.

Sewage disposal in the United States. Location and brief description of more than six hundred plants for treating sewage, sewage disposal and stream pollution in several states, and by state health boards. Municipal Journal, xxxvi, pp. 896–904 (June 18, 1914); xxxvii, pp. 229–232 (August 20, 1914).

Atlanta, Ga.

New sewage disposal plant of Atlanta, Ga. Municipal Engineering, xlv, pp. 520–522 (December, 1913).

Statistics on the operation of Atlanta, Ga., sewage treatment plant. Municipal Journal, xxxvi, p. 241 (February 19, 1914).

Chicago.

Randolph, Isham. The sanitary district of Chicago, and the Chicago drainage canal; a review of twenty years of engineering work. Chicago, 1909. 13 pp.

Chicago (continued).

Chicago's sewerage system. Municipal Journal and Engineer, xxxi, p. 658 (November 22, 1911).

Columbus, Ohio. GREGORY, J. H. The improved water and sewage works of Columbus, Ohio, with discussions. Transactions, American Society of Civil Engineers, lxvii, pp. 206–437 (1910).

See also Municipal Engineering, xliv, pp. 486–491 (June, 1913).

New York City.

Metropolitan Sewerage Commission. Annual reports. New York, 1910–.

——. Main drainage and sewage disposal works, etc. Report, April 30, 1914. New York, 1914. 762 pp.

SOPER, G. A., and others. Sewerage and sewage disposal in the metropolitan district of New York and New Jersey. New York, 1910.

Passim.

Philadelphia.

Bureau of Surveys. Partial report upon a comprehensive plan for the collection, purification and disposal of sewage of the entire city. Philadelphia, 1911. 204 pp.

Sewage disposal in Philadelphia. Municipal Journal and Engineer, xxxi, pp. 157–161 (February 1, 1912).

Pittsburgh.

STEARNS, F. P., and EDDY, H. P. Report upon sewage disposal. Pittsburgh, 1912. 71 pp.

Greater Pittsburgh sewerage and sewage purification orders. Engineering News, lxiii, pp. 179–181 (February 10, 1910).

Rochester, N. Y. FISHER, E. A. Report on the sewage disposal system of Rochester, N. Y. Rochester, 1913. 248 pp.

9. SEWAGE DISPOSAL: EUROPEAN METHODS AND EXPERIENCE

BAKER, M. N. British sewage works and works on the sewage farms of Paris and on two German works. New York, 1904. 146 pp.

Describes European disposal plants in actual operation.

BAKER, M. N. A recent visit to twenty-four British sewage works. Journal, Association of Engineering Societies, xxxiii, pp. 336–362 (November, 1904).

Discusses briefly the ideas and methods of disposal used in all the chief centers of Great Britain.

BROOKS, R. C. The sewage farms of Berlin. Political Science Quarterly, xx, pp. 298–313 (June, 1905).

A layman's discussion of management, marketing of farm products, financial results, etc.

LEMMOIN-CANNON, HENRY. A text book on sewage disposal in the United Kingdom. London, 1912. 320 pp.

The most recent readable outline of present British disposal problems and the methods of solution used.

MARTIN, A. J. The sewage problem; a review of the evidence collected by the royal commission on sewage disposal. London, 1905. 363 pp.

In 1898 the British Parliament authorized the appointment of a royal commission on sewage disposal. This body has now spent over fifteen years in a thorough investigation of the subject from every angle, including such topics as water pollution, chemical, and land treatment of sewage, the disposal of trade wastes, etc. A great mass of evidence has been collected and many elaborate investigations carried on. Eight bulky reports have been issued, some of them in double quarto volumes. The whole forms the most extensive store of materials ever brought together on this subject by any investigating authority in any country. Mr. Martin's volume contains a résumé of the first four reports, 1899–1904. Much of the material contained in the later reports is summarized in H. Lemmoin-Cannon's book (see above).

PEARSE, LANGDON. Sewerage disposal in the United States and abroad. Journal, Western Society of Engineers, xvi, pp. 565–591 (September, 1911).

ROESCHLING, H. A. The sewage farms of Berlin. Minutes of Proceedings, Institution of Civil Engineers, cix, pp. 179–268 (1892).

A long paper discussing in full detail the initial equipment, operation and supervision of the world's largest experiments in sewage disposal by broad irrigation. A résumé of the paper may be found in Engineering Record, xxvi, pp. 157–158 (August 6, 1892).

United States. Department of State. Bureau of Foreign Commerce. Disposal of sewage and garbage in foreign countries. Special Consular Reports, xvii, pp. 1–221 (1899).

This excellent compilation, although prepared sixteen years ago, is still of much interest and value, especially as regards the systems then in use and since maintained by the chief cities of continental Europe. Since 1910, moreover, reports on the disposal of sewage in Europe have been published from time to time in the Daily Consular and Trade Reports, issued by the Bureau of Foreign and Domestic Commerce at Washington. See, for example, the Daily Consular and Trade Reports, no. 61, pp. 1281–1291 (March 15, 1913); no. 29, pp. 449–454 (February 4, 1914).

Notes on the collection and disposal of sewage at Paris, France. Engineering and Contracting, xli, p. 315 (March 11, 1914).

10. Sewage Disposal and Water Pollution

Fuller, G. W. Sewage disposal in relation to water supply. American City, vi, pp. 491–492 (February, 1912).

Discusses the effect of water pollution on the shellfish industry.

Johnson, G. A. Sewage treatment to prevent river pollution. Engineering Record, lxi, pp. 324–325 (March 19, 1910).

A discussion of the degree of purification necessary for the public safety.

Leighton, M. O. The pollution of the Illinois and Mississippi rivers by Chicago sewage. Washington, 1907. (United States Geological Survey. Water Supply and Irrigation Paper no. 194. Issued also as United States, 59th Congress, 2d session, House doc. no. 788.)

This is a digest of the evidence collected and laid before the Supreme Court of the United States in the famous case of Missouri *vs.* Illinois, which grew out of the construction of the Chicago drainage canal. It is a most useful compilation.

McLaughlin, A. J. Sewage pollution of interstate and international waters with special reference to the spread of typhoid fever. Washington, 1911–1913. 169, 296, 79 pp. (United States Hygienic Laboratory. Bulletins no. 77, 83, 89.)

Soper, G. A. The pollution of New York harbor. Journal, Association of Engineering Societies, xxxvi, pp. 272–303 (May, 1906).

A more detailed discussion of this subject may be found in the annual reports of the Metropolitan Sewage Commission of New York and New Jersey.

Sperry, Lewis. The law of Connecticut in regard to the pollution of waters. Hartford, 1914. 40 pp.

WINSLOW, C.-E. A. Protection of river and harbor waters from municipal wastes. Scientific American Supplement, lxxii, pp. 17–20 (July 8, 1911).

Sewage treatment *vs.* sewage purification. Engineering Record, lxvi, pp. 388–389 (October 5, 1912).
A plea for the abandonment of attempts to depend on purification of sewage as a means of protecting water supplies.

SECTION XL. PUBLIC HEALTH AND HYGIENE

1. LISTS OF REFERENCES

American Academy of Political and Social Science. The public health movement. Annals, xxxvii, no. 2 (March, 1911). Philadelphia, 1911. 334 pp.
Bibliography, pp. 299–331.

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Sanitation, public health, pp. 240–243.

GERHARD, W. P. Guide to sanitary inspections. 4th edition. New York, 1909. 229 pp.
Bibliography on sanitary surveys and inspections, pp. 227–229.

GODFREY HOLLIS. The health of the city. Boston, 1910. 372 pp.
Selected bibliography, pp. 346–358.

Jahresbericht über soziale Hygiene, Demographie und Medizinalstatistik, sowie alle Zweige des sozialen Versicherungswesen. Jena. Issued annually since 1900.

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–71 (April, 1908).
Sanitation and public health bibliography, pp. 23–24, 60–63.

New York City. Department of Finance. Municipal Reference Library. List of works relating to public health in the municipal reference library of the city of New York. New York, 1914. 1 sheet. (Bulletin, February, 1914.)

ROSENAU, M. J. The milk question. Boston, 1912. 309 pp.
References, pp. 299–302.

SMITH, A. W., compiler. Selected bibliography of sanitary science and allied subjects. Boulder, 1909. 37 pp.

United States. Library of Congress. Division of Bibliography. Select list of references on public drinking cup legislation. Washington, 1911. 3 pp. (typewritten).

——. Public Health and Marine Hospital Service. Publications. January, 1910. Washington, 1910. 25 pp.

——. Superintendent of Documents. United States public documents relating to health and hygiene, including water pollution and purification. Washington, 1910. 50 pp.

Washington, D. C. Public Library. Health and hygiene. A brief annotated list of books on physiology, food, sanitation, ventilation, care of children, diseases, etc. Washington, 1906. (Reference list no. 7.)

Yale University. Library. List of medical serials (including public health reports) in the Yale University library, 1912. Compiled by SARA G. HYDE. New Haven, 1912. (Separately printed.) 403–445 pp.

2. ELEMENTARY AND GENERAL DISCUSSIONS

ABBOTT, A. C., and others. Municipal health and sanitation. Proceedings, National Municipal League, 1908, pp. 9–21.

ALLEN, W. H. Civics and health. With an introduction by W. T. Sedgwick. Boston, 1909. 411 pp.

American Academy of Political and Social Science. The public health movement. Annals, xxxvii, no. 2 (March, 1911). Philadelphia, 1911. 334 pp.

Twenty-four articles by authorities, arranged under the following general topics: the general problem; disease carriers — the control of causes; elimination of diseases — physical care of individuals.

BAKER, M. N. Municipal health problems and the general public. Proceedings, National Municipal League, 1909, pp. 433–438.

——. The municipal health problem. National Municipal Review, ii, pp. 200–209 (April, 1913).

BEARD, C. A. American city government. New York, 1912. 420 pp.

Guarding the health of the people, pp. 261–286.

BROWN, BERTHA M. Health in home and town. Boston, 1912. 312 pp.

BRUÈRE, HENRY. The new city government. New York, 1913. 438 pp.
Ch. xi (pp. 314–334), Protection of life and health.

COLEMAN, W. M. A handbook of the people's health; a textbook of sanitation and hygiene for the use of schools. New York, 1913. 307 pp.

DAWSON, W. H. Municipal life and government in Germany. London, 1914. 507 pp.
Ch. viii (pp. 189–207), Public health.

EVANS, W. A., and DRAKE, C. S. Efficiency and economy in municipal health work. American City, iv, pp. 82–85 (February, 1911).

GARDNER, FLETCHER, and SIMONDS, J. P. Practical sanitation; a handbook for health officers and practitioners of medicine. St. Louis, 1914. 403 pp.

GERHARD, W. P. Sanitation and sanitary engineering. 2d edition. New York, 1909. 175 pp.

GLASGOW, J. D. Sanitation of cities. American Municipalities, xxiv, pp. 146–152 (February, 1913).

GODFREY, HOLLIS. The health of the city. Boston, 1910. 372 pp.
A very readable and informing volume.

HILL, H. W. The new public health. Minneapolis, 1913. 128 pp.

HOWARD, W. F. Public health and municipal sanitation in Cleveland. Proceedings, National Municipal League, 1907, pp. 363–372.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Public health regulation, ii, pp. 117–121. References, p. 121.

RITCHIE, J. W. Primer of hygiene and sanitation; being a simple textbook on personal and public health. Yonkers, 1913. 344 pp.

STIMSON, A. M. The citizen and the public health. Washington, 1913. 12 pp. (Supplement no. 4 to the Public Health Reports (February 28, 1913).)

WALSH, F. C. Health of the cities. Technical World, xvii, pp. 72–79 (March, 1912).

WHIPPLE, G. C. The broadening science of sanitation. Atlantic Monthly, cxiii, pp. 630–641 (May, 1914).

3. SPECIAL TREATISES

ADAMS, S. H. The health master. Boston, 1913. 338 pp.

BAILEY, E. H. S. A text book of sanitary and applied chemistry; or, The chemistry of water, air, and food. New York, 1913. 345 pp.

BLAIR, T. S. Public hygiene. Boston, 1911. 2 vols.

This is a working handbook with the following chapter-heads: The family *v.* the community; Hotels, lodging houses and public buildings; School inspection and college sanitation; Penal institutions and hospitals for the insane; Maternities; Places of amusement and of dissipation; Slums and town nuisances; Special rural hygiene and sanitation; State departments and boards of health; A proposed federal bureau of health; Local boards of health and sanitary officers; Army and navy sanitation — or hygiene of camps; The coroner and the physician; Quarantine; Infectious diseases; Immunity; Epidemics; Disinfection; Tuberculosis sanatoria and dispensaries; Home hygiene and interior sanitary installations; Pure drugs and foods; Public works and corporations; Public carriers and sanitation; Laboratory methods in sanitation; Medical societies and sanitation.

HEMENWAY, H. B. Legal principles of public health administration. Introduction by J. H. Wigmore. Chicago, 1914. 850 pp.

International Congress of Hygiene and Demography. Fifteenth, Washington, 1912. Transactions. 6 vols. in 5. Washington, 1912.

Vol. iii, Pt. I, sec. 3, Hygiene of infancy and childhood; school hygiene; Pt. II, sec. 4, Hygiene of occupations. Vol. iv, sec. 5, Control of infectious diseases; sec. 6, State and municipal hygiene. Vol. v, Pt. I, sec. 7, Hygiene of traffic and transportation.

LINDEMANN, HUGO. Die deutsche Städteverwaltung. Ihre Aufgaben auf den Gebieten der Volkshygiene, des Städtebaus und des Wohnungswesens. Stuttgart, 1906. 622 pp.

PARKES, L. C., and KENWOOD, HENRY. Hygiene and public health. 4th edition. Philadelphia, 1911. 691 pp.

Chapters on: Collection, removal, and disposal of excretals and other refuse; Air and sanitation; Communicable diseases and their prevention; School hygiene, disinfection, etc.

PRAUSNITZ, WILHELM. Atlas und Lehrbuch der Hygiene mit besonderer Berücksichtigung der Städte-Hygiene. Munich, 1909. 699 pp.

PRICE, G. M. Handbook on sanitation. 3d edition. New York, 1913. 353 pp.

REID, GEORGE. Practical sanitation; a handbook for sanitary inspectors and others interested in sanitation, with an appendix on sanitary law by Herbert Manley. 15th edition. London, 1910. 352 pp.

ROSENAU, M. J., editor. Preventive medicine and hygiene; with chapters upon sewage and garbage by G. C. Whipple; vital statistics by C. L. Wilbur; the prevention of mental disease by T. W. Salmon. New York, 1913. 1074 pp.

The best comprehensive work.

SCHMID, FRIEDLICH. Hygiène publique. 2 vols. Berne, 1898–1906.

SEDGWICK, W. T. Principles of sanitary science and the public health, with special reference to the causation and prevention of infectious diseases. New York, 1908. 368 pp.

A well-known and standard treatise.

SOMMERVILLE, DAVID. Practical sanitary science; a handbook for the public health laboratory. 2d edition. New York, 1915.

TUTTLE, T. D. Principles of public health. New York, 1910. 186 pp.

WHITELEGGE, B. A. Hygiene and public health. London, 1904. 588 pp.

WOODMAN, A. G., and NORTON, J. F. Air, water, and food from a sanitary standpoint. 4th edition. New York, 1914. 248 pp.

4. ORGANIZATION AND WORK OF HEALTH AUTHORITIES

ADAMS, S. H. Health boards. Guardians of the public health. McClure's Magazine, xxxi, pp. 241–252 (July, 1908).

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Ch. xxxvi (pp. 248–258), The work of boards of health.

——. Economy and efficiency in health administration work. National Municipal Review, i, pp. 240–245 (April, 1912).

——. The municipal health problem. *Ibid.*, ii, pp. 200–209 (April, 1913).

BALCH, LEWIS. A manual for boards of health and health officers. Albany, 1908. 322 pp.

BIGGS, H. M., and WINSLOW, C. E. A. An ideal health department. Minneapolis, 1913. 36 pp.

BRUÈRE, HENRY. The new city government. New York, 1912. 438 pp.

Representative health organization and work, pp. 401–413.

Chicago. City Club. Chicago's health department, its activities and needs. Bulletin, iv, pp. 277–286 (December 20, 1911).

Dayton, Ohio. Bureau of Municipal Research. Organization and administration of the department of health of Dayton, Ohio. Dayton, 1913. 97 pp.

FOX, CARROLL. Public health administration in Baltimore; a study of the organization and administration of the city health department. Washington, 1914. 80 pp. (Reprint no. 21 from the Public Health Reports, xxix, no. 24 (June 12, 1914).)

——. Public health administration in Minnesota. Washington, 1914. 82 pp. (Reprint no. 223, from *Ibid.*, xxix, no. 40 (October 2, 1914).)

GOODNOW, F. J. City government in the United States. New York, 1906. 315 pp.

The administration of public health and safety in American cities, pp. 235–247.

GRAY, H. F. Improvements in public health administration in California. Pacific Municipalities, xxvii, pp. 7–19 (January, 1913).

GUNN, S. M. The health department, Milwaukee. Prepared under the direction of J. R. Commons. Milwaukee, 1912. 3 pamphlets. (Milwaukee Bureau of Economy and Efficiency. Bulletins no. 13, 15, 18.)

HARRINGTON, CHARLES. A manual of practical hygiene; for students, physicians and health officers. 5th edition. Revised and enlarged by M. W. Richardson, in collaboration with officers of the Massachusetts State Board of Health. Philadelphia, 1914. 933 pp.

KERR, J. W., and MOLL, A. B. Organization, powers, and duties of health authorities. Washington, 1912. 452 pp. (United States Public Health Bulletin no. 54 (August, 1912).)

An analysis of the health laws and regulations in force in the United States. Covers the present organization of state health authorities, their powers and duties, the relation of state and local health authorities and their coöperation with the federal authorities; the organization and functions of county, township and municipal, etc., boards of health; the text of state and territorial laws relating in general to the organization and powers of health authorities and court decisions as to the appointment, composition, powers, and compensation of health boards.

New York City. Bureau of Municipal Research. Report on the division of child hygiene, department of health, with constructive suggestions. New York, 1911. 69 pp.

——. Department of Health. Handbook of information regarding the routine procedure of the division of communicable diseases. New York, 1912. 200 pp.

PALMER, G. T. Shortcomings of municipal public health administration. American City, v, pp. 64–68 (August, 1911).

PHELPS, E. B. Coöperative public health administration. United States Public Health Reports, xxix, pp. 2477–2526 (September 25, 1914).

SCHNEIDER, FRANZ. A survey of the public health situation, Atlanta, Ga.; a report of the Atlanta Chamber of Commerce committee on social survey. New York, 1913. 22 pp. (Russell Sage Foundation publication.)

SOPER, G. A. The work of boards of health. Popular Science, lxxiv, pp. 233–239 (March, 1909).

Springfield, Mass. Bureau of Municipal Research. The organization and administration of the health department of Springfield, Mass. Springfield, 1914. 48 pp.

WANKLYN, W. M. London public health administration; a summary showing the principal authorities, with their origin, services and powers. New York, 1913. 59 pp.

WYMAN, WALTER. The present organization and work for the protection of health in the United States. 2d edition. Washington, 1912. 12 pp.

5. VITAL STATISTICS

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Vital statistics in the United States, iii, pp. 623–625. References, p. 625.

NEWSHOLME, ARTHUR. The elements of vital statistics. 3d edition. New York, 1899. 353 pp.

TRASK, J. W. Vital statistics. A discussion of what they are and their use in public health administration. 2d edition. Washington, 1914. 94 pp. (Supplement no. 12 to the United States Public Health Reports, xxix (April 3, 1914).)

WHIPPLE, G. C. The use of vital statistics in the public health services. Toronto, 1913. 8 pp. (Reprinted from Public Health Journal (Canada), June, 1913.)

WILBUR, C. H. Vital statistics. In Preventive medicine and hygiene, edited by M. J. Rosenau, sec. ix (pp. 874–910). New York, 1913. 1074 pp.

6. PUBLIC HEALTH LAW

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.
See index under Health.

EVANS, W. A. Legal powers of health departments. American City, vii, pp. 121–125 (August, 1912).

HAYES, ALFRED, Jr. Relation of law to public health. Popular Science Monthly, lxxvi, pp. 280–286 (March, 1910).

MCQUILLIN, EUGENE. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.
See index under Health.

PEABODY, SUSAN W. Historical study of legislation regarding public health in the states of New York and Massachusetts. Chicago, 1909. 158 pp. (Reprinted from Journal of Infectious Diseases, Supplement no. 4.)
Bibliography, pp. 140–143.

ROBERTSON, WILLIAM, and PORTER, CHARLES. Sanitary law and practice. 3d edition. London, 1912. 727 pp.
Refers to English law only.

United States. Public Health and Marine Hospital Service. Municipal ordinances, rules, and regulations pertaining to public hygiene adopted from January 1, 1910, to June 30, 1911, by cities of the United States having a population of over 25,000 in 1910. Prepared by direction of the surgeon general. Washington, 1912. 244 pp.

——. ——. Municipal ordinances, rules, and regulations pertaining to public health adopted from July 1, 1911, to December 31, 1911, by cities of the United States having a population of over 10,000 in 1910. Compiled by direction of the surgeon general by J. W. TRASK. Edition of October 21, 1913. Washington, 1913. 226 pp.

7. FOOD INSPECTION

BOSTWICK, A. L. Food screening legislation. General and specific ordinances and board of health rules in force in American cities. Municipal Journal, xxxiv, pp. 440–441 (March 27, 1913).

BRUCE, E. M. Detection of the common food adulterants. New York, 1907. 84 pp.

BUTLER, J. A. Inspection of meat supply in Milwaukee. Annals of the American Academy of Political and Social Science, xxviii, pp. 333–334 (September, 1906).

CAPES, W. P. The duty of municipal food inspection. New York, 1914. (American City Pamphlet no. 104.)

FARRINGTON, A. M. The need of state and municipal meat inspection to supplement federal inspection. Washington, 1910. 14 pp. (United States Department of Agriculture. Bureau of Animal Industry. Circular no. 154.)

GODFREY, HOLLIS. The health of the city. Boston, 1910. 372 pp.

Ch. iii (pp. 58–126), The city's food supply; ch. vi (pp. 158–193), The city's ice supply.

HAMOR, W. A. Food inspection. In Municipal chemistry, edited by Charles Baskerville, ch. viii (pp. 136–146). New York, 1911. 526 pp.

LEACH, A. E. Food inspection and analysis; for the use of public analysts, health officers, sanitary chemists and food economists. 3d edition. Revised and enlarged by A. L. Winton. New York, 1913. 1001 pp.

LITTLEJOHN, A. R. Meat and its inspection; a practical guide for meat inspectors, students and medical officers of health. London, 1911. 399 pp.

MACEWEN, H. A. Food inspection; a practical handbook. London, 1909. 256 pp.

OSTERTAG, ROBERT. Handbook of meat inspection. An authorized translation by E. V. Wilcox, with an introduction by J. R. Mohler. New York, 1904. 884 pp.

ROBERTSON, WILLIAM. Meat and food inspection. Chicago, 1908. 372 pp.

SAVAGE, W. G. The bacteriological examination of food and water. Cambridge (England), 1914. 173 pp. (Cambridge Public Health series.)

VACHER, FRANCIS. The food inspectors' handbook; a practical guide for medical officers of health, meat inspectors, army officers, students, and others. 6th edition. New York, 1913. 311 pp.

VAN ORMAN, RAY. Municipal meat inspection and municipal slaughter houses. American City, xi, pp. 14–18 (July, 1914).

WHITE, D. S. Municipal meat inspection. Bulletin, Ohio State Board of Health, February, 1914.

WILEY, H. W. The purpose, method and extent of food adulteration. In Municipal chemistry, edited by Charles Baskerville, ch. vi (pp. 119–126). New York, 1911. 526 pp.

WILEY, H. W. The remedy for food adulteration and relation of chemistry thereto. *Ibid.*, ch. vii (pp. 127–135).

——. Foods and their adulteration. 2d edition. Washington, 1912. 641 pp.

Covers the origin, manufacture, and composition of food products, infants' and invalids' foods, detection of common adulterations, and food standards.

8. MILK INSPECTION

ALVORD, H. E., and PEARSON, R. A. The milk supply of two hundred cities and towns. Washington, 1903. 210 pp. (United States Department of Agriculture. Bureau of Animal Industry. Bulletin no. 46.)

AYERS, S. H. The pasteurization of milk. Washington, 1912. 44 pp. (*Ibid.* Circular no. 184.)

BAKER, M. N. The economic and sanitary supervision of city milk supplies. United States Bureau of the Census, Special report, Statistics of cities with population over 30,000: 1905, pp. 36–45. Washington, 1907.

——. Municipal engineering. New York, 1906. 317 pp.

Ch. xiii (pp. 93–100), Sanitary protection of the milk supply.

BELCHER, SARAH D. Clean milk. New York, 1903. 146 pp.

BURKS, J. D. Clean milk and public health. Annals of the American Academy of Political and Social Science, xxxvii, pp. 192–206 (March, 1911).

COIT, H. L. A brief history of the development of the pure milk movement in the United States. Paper read at the Congrès International des Gouttes de Lait. Brussels, 1907. 14 pp.

DARLINGTON, THOMAS. The control of the milk supply. In Municipal chemistry, edited by Charles Baskerville, ch. v (pp. 90–118). New York, 1911. 526 pp.

DOANE, C. F. The milk supply of twenty-nine southern cities. Washington, 1905. 40 pp. (United States Department of Agriculture. Bureau of Animal Industry. Bulletin no. 70.)

GODFREY, HOLLIS. The health of the city. Boston, 1910. 372 pp.

Ch. ii (pp. 30–57), The city's milk supply.

GUNN, S. M. The milk supply of the city of Milwaukee and its control by the health department. Milwaukee, 1912. 48 pp. (Milwaukee Bureau of Economy and Efficiency. Bulletin no. 13 (January 30, 1912).)

HARRINGTON, T. F. The problem of city milk supplies. Reports and papers, American Public Health Association, xxxii, Pt. I, pp. 153–159 (1906).

HEINEMANN, P. G. Problem of city milk supplies. Popular Science, lxxx, pp. 66–75 (January, 1912).

JENSEN, C. O. Essentials of milk hygiene. New York, 1909. 291 pp.

KELLEY, ERNEST. Medical milk commissions and certified milk. Washington, 1913. 38 pp. (United States Department of Agriculture. Bulletin no. 1 (September 17, 1913).)

KINYOUN, J. J., and DIETER, L. V. A bacteriological study of the milk supply of Washington. American Journal of Public Health, ii, pp. 262–274 (March, 1912).

LARSEN, CHRISTIAN, and WHITE, W. Dairy technology; a treatise on the city milk supply; milk as a food, ice-cream making, by-products of the creamery and cheesery, fermented milks, condensed and evaporated milks, milk powder, renovated butter, and oleomargarine. New York, 1913. 298 pp.

LEDERLE, E. J. The sanitary control of local milk supplies through local official agencies. New York, 1912. 13 pp. (New York City. Department of Health. Reprint series no. 2 (November, 1912).)

——, and RAYNOR, RUSSELL. The milk supply of New York City and its control by the department of health. New York, 1912. 79 pp. (*Ibid.* Monograph series no. 5 (September, 1912).)

LEWIS, D. M. Municipal milk inspection. Journal, American Public Health Association, i, pp. 778–782 (November, 1911).

New York City. Milk Committee. Infant mortality and milk stations. New York, 1912. 176 pp.

ROSENAU, M. J. The milk question. Boston, 1912. 309 pp.
The best general discussion.

St. Louis. School of Social Economy. The milk problem in St. Louis. St. Louis, 1914. 36 pp.

SAVAGE, W. G. Milk and the public health. New York, 1912. 459 pp.

SPARGO, JOHN. The common sense of the milk question. New York, 1908. 351 pp.

THOMAS, J. B. A review of the practical methods for supervising the milk supply of cities. Papers and Reports, Ohio Board of Public Health, xxxvi, pp. 242–251 (1911).

TRUEMAN, J. M. Milk supply of Chicago and twenty-six other cities. Urbana, 1907. 30 pp. (University of Illinois. Agricultural Experiment Station. Bulletin no. 120.)

United States. 62d Congress, 2d session. House. Report of the commission on milk standards appointed by the New York milk committee. 2d edition. Washington, 1912. 31 pp. (House doc. no. 911, serial no. 6323. Reprinted from Public Health Report no. 78.)

——. Hygienic Laboratory. Milk and its relation to the public health. By various authors. Revised and enlarged edition of Bulletin no. 41. Washington, 1909. 834 pp. (Public Health and Marine Hospital Service. Hygienic Laboratory. Bulletin no. 56.)
Bibliographies, pp. 225–226, 248, 417–425.

WARD, A. R. Pure milk and the public health; a manual of milk and dairy inspection. Ithaca, 1909. 218 pp.

WHITAKER, G. M. The milk supply of Boston, New York and Philadelphia. Washington, 1905. 62 pp. (United States Department of Agriculture. Bureau of Animal Industry. Bulletin no. 81.)

——. The milk supply of Chicago and Washington. Washington, 1911. 40 pp. (*Ibid.* Bulletin no. 138.)

WILLIAMS, J. R. The bacteria of bad business; study of Rochester's milk supply. World's Work, xxv, pp. 443–458 (February, 1913).

9. The Prevention of Communicable Diseases

Austen, E. E. The house fly as a danger to health; its life-history, and how to deal with it. London, 1913. 11 pp.

Bolduan, C. F. The rural origin of much of the typhoid fever in large cities, and the need of reorgnizing rural public health administration. New York, 1913. 11 pp. (New York City. Department of Health. Reprint series no. 3 (January, 1913).)

——. Typhoid fever in New York City, together with a discussion of the methods found serviceable in studying its occurrence. New York, 1912. 52 pp. (*Ibid.* Monograph series no. 3 (August, 1912).)

Graham-Smith, G. S. Flies in relation to disease. Cambridge (England), 1913. 292 pp.

Hewitt, C. G. House-flies and how they spread disease. New York, 1912. 122 pp.

Hoffman, F. L. Prevention of disease by the elimination of dust. American City, iv, pp. 213–216 (May, 1911).

Howard, L. O. The house fly — disease carrier. Washington, 1912. 312 pp.

Hutchinson, Woods. Instinct and health. New York, 1908. 334 pp.

——. Preventable diseases. Boston, 1909. 442 pp.

Both the foregoing books are written in readable style and present in a striking way the outstanding problems of general hygiene.

Illinois. State Board of Health. Typhoid fever: its cause, prevention, and suppression. Revised edition. Springfield, 1914. 35 pp.

Kerr, J. W., and Moll, A. A. Common drinking cups and roller towels: an analysis of the laws and regulations relating thereto in force in the United States. Washington, 1912. 30 pp. (United States Public Health Bulletin no. 57.)

Laws, regulations, and orders relating to common drinking cups and roller towels, pp. 15–30.

——. Communicable diseases: an analysis of the laws and regulations for the control thereof in force in the United States. Washington, 1914. 699 pp. (*Ibid.*, no. 62.)

M'VAIL, J. C. The prevention of infectious diseases; being the Lane Lectures delivered at Cooper Medical College, San Francisco, in August, 1906. London, 1907. 290 pp.

Contents: Public health organisation in Britain; The prevention of typhus fever; The prevention of enteric fever; The prevention of plague; The prevention of measles; The prevention of scarlet fever; The prevention of diphtheria; The prevention of smallpox; The prevention of tuberculosis.

New York City. Department of Health. Handbook of information regarding the routine of procedure of the bureau of infectious diseases. New York, 1914. 285 pp.

OLIVER, THOMAS. Diseases of occupation. New York, 1908. 472 pp.

PEASE, H. D. The relation of flies to the transmission of infectious diseases. Journal, New England Waterworks Association, XXV, pp. 17–28 (March, 1911).

Contains much information concerning the transmission of typhoid germs by flies.

PORTER, E. H. The fight against preventable diseases. Albany, 1910. 13 pp.

RAMALEY, FRANCIS, and GRIFFIN, C. E. Prevention and control of disease. Boulder, 1913. 386 pp.

ROSENAU, M. J., editor. Preventive medicine and hygiene. New York, 1913. 1074 pp.

See above, p. 248.

TOLMAN, W. H., and GUTHRIE, A. W. Hygiene for the worker. Edited by C. W. Crampton. New York, 1912. 231 pp.

United States. Public Health Service. The notifiable diseases; their prevalence during 1913 in cities of over 100,000. Washington, 1914. 11 pp. (Reprint no. 210.)

WHIPPLE, G. C. Typhoid fever; its causes, transmission and prevention. With an introduction by W. T. Sedgwick. New York, 1908. 407 pp.

Besides treating of the character and bacteriology of typhoid fever, its statistics and distribution, the book includes the following topics: the investigation and control of typhoid fever epidemics; the influence of public water supplies on the typhoid fever death rates of cities; the effect of milk supplies on the death rates of cities; etc.

10. The Tuberculosis Problem

Behring, E. A. von. The suppression of tuberculosis. Translated by Charles Bolduan. New York, 1904. 85 pp.

Carrington, T. S. Fresh air and how to use it. New York, 1912. 250 pp.

——. Tuberculosis hospital and sanatorium construction. New York, 1911. 164 pp.

Davis, N. S. Consumption: how to prevent it and how to live with it. Philadelphia, 1908. 172 pp.

Discusses sensibly the greatest plague of the day. Contains invaluable suggestions concerning the different climates and the important part each plays in the treatment of the disease. The hygienic rules essential to the successful treatment of the disease are stated in a succinct and intelligible manner.

International Congress on Tuberculosis. Held at Washington, D. C., September 28–October 5, 1908. Transactions of the Sixth International Congress. 6 vols. Philadelphia, 1908.

A large and rich collection of papers which truly record the status of the universal struggle against tuberculosis.

Knopf, S. A. Tuberculosis as a disease of the masses, and how to combat it. International prize essay. Seventh American edition. New York, 1911. 124 pp.

This book has been a great factor in the dissemination of practical knowledge in the warfare against pulmonary consumption.

National Association for the Study and Prevention of Tuberculosis. Transactions of annual meetings. First, 1906. New York.

Otis, E. O. Municipal control of tuberculosis. Boston, 1905. 11 pp. (Reprinted from Boston Medical and Surgical Journal, cliii, pp. 716–719 (December 28, 1905).)

——. Tuberculosis; its cause, cure and prevention. A revised edition of The great white plague (a book for laymen). New York, 1914. 326 pp.

St. Louis. Municipal Commission on Tuberculosis. First report and recommendations, February, 1909. St. Louis, 1909. 72 pp.

11. Public Health and the Schools

Brown, E. F. The health supervision of school children of New York City. New York, 1914. 10 pp. (Reprinted from the Medical Review of Reviews, September, 1914.)

Burks, F. W., and J. D. Health and the school; a round table; with an introduction by F. M. McMurry. New York, 1913. 393 pp.

Bibliography, pp. 367–380. In form of symposium, giving some practical solutions to the problem of children's health, setting forth the relations that should exist between schools, communities, and public health.

Cornell, W. S. Health and medical inspection of school children. Philadelphia, 1912. 614 pp.

Gulick, L. H., and Ayres, L. P. The medical inspection of schools. New York, 1908. 276 pp.

A careful study of school hygiene and methods of inspection. Contains a good bibliography.

Harrington, Charles. A manual of practical hygiene; for students, physicians and health officers. 5th edition. Revised and enlarged by M. W. Richardson, in collaboration with officers of the Massachusetts State Board of Health. Philadelphia, 1914. 933 pp.

Ch. xi (pp. 680–702), Medical inspection of schools, by G. H. Martin.

Hoag, E. B. The health index of children. San Francisco, 1911. 200 pp.

A clear, non-technical discussion of the most significant facts about the health and vitality of school children.

Young, G. B. The schoolhouse as a local health office. Madison, 1912. 11 pp. (University of Wisconsin. Extension Division. General information and welfare bulletin.)

See also School Administration.

12. Serial Publications

American Public Health Association. Reports and papers of the association. Published annually at various places since 1875.

——. Journal. Vol. i, 1911. Urbana. Quarterly.

The title of vol. i was American Journal of Public Hygiene.

New York City. Department of Health. Publications. Monograph series, no. 1, February, 1912; Reprint series, no. 1, August, 1912. New York. Issued irregularly.

United States. Public Health Service. Public Health Bulletin. No. 1, 1898. Washington. Issued irregularly.

SECTION XLI. HOSPITALS

AIKENS, CHARLOTTE A., editor. Hospital management. Philadelphia, 1911. 488 pp.

ALLEN, W. H. Hospital efficiency. American Journal of Sociology, xii, pp. 298–318 (November, 1906).

American Architect. The modern hospital. A series of short articles on planning details and equipment. New York, 1912. 49 pp.

BANFIELD, MAUD. Some unsettled questions in hospital administration in the United States. Annals of the American Academy of Political and Social Science, xx, pp. 328–355 (September, 1902).

BLAIR, T. S. Public hygiene. 2 vols. Boston, 1911.
See index under Hospitals.

CARRINGTON, T. S. Tuberculosis hospital and sanatorium construction. New York, 1911. 164 pp.

CLARKE, W. B. The meaning of a modern hospital. New York, 1904.
A small pamphlet.

CLEVELAND, F. A. The advantages of accurate and coördinated statistics in hospital control. Charities and the Commons, xv, pp. 250–252 (November 18, 1905).

GARDNER, FLETCHER, and SIMONDS, J. P. Practical sanitation; a handbook for health officers and practitioners of medicine. St. Louis, 1914. 403 pp.
Hospitals, pp. 26–50.

KIRKBRIDE, F. B. Utilization of the dispensary and district nursing as a means of reducing hospital deficits. Charities, xiv, pp. 1086–1088 (September 16, 1905).

PELTON, G. I. Hospital social work. Outlook, xciv, pp. 767–770 (April 2, 1910).
See also Survey, xxiv, pp. 281–289 (May 14, 1910).

WOODY, S. S. Municipal hospitals for contagious diseases. American Journal of Public Health, ii, pp. 726–732 (September, 1912).

Reducing fire peril in hospitals. Survey, xxxii, p. 535 (August 29, 1914).

SECTION XLII. CONGESTION OF POPULATION: ITS CAUSES AND REMEDIES

1. LISTS OF REFERENCES

GUILLOU, JEAN. Étude d'économie rurale et sociale. L'émigration des campagnes vers les villes et ses conséquences économiques et sociales. Paris, 1905. 396 pp.
Bibliography, pp. v–x.

MEURIOT, P. M. G. Des agglomérations urbaines dans l'Europe contemporaine; essai sur les causes, les conditions, les conséquences de leur développement. Paris, 1898. 475 pp.
Bibliography, pp. 12–23.

PRATT, E. E. Industrial causes of congestion of population in New York City. New York, 1911. 259 pp. (Columbia University Studies in History, Economics and Public Law, xliii, no. 1.)
References, pp. 94–95.

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.
References, pp. 94–95.

WEBER, A. F. The growth of cities in the nineteenth century; a study in statistics. New York, 1899. 495 pp. (Columbia University Studies in History, Economics and Public Law, xi.)
Bibliographical note, pp. 476–478.

2. STATISTICS OF CITY GROWTH

BOYD, CARL. Growth of cities in the United States during the decade, 1880–1890. Publications, American Statistical Association, new series, iii, pp. 416–425 (1893).

CORTHELL, E. L. Growth and density of population of great cities. Washington, 1903. 16 pp.
A paper read before the American Association for the Advancement of Science, at Washington, 1903.

DURAND, E. D. Ten years' growth in population. World's Work, xxi, pp. 13838–13842 (January, 1911).

HART, A. B. The growth of cities in the United States. In Selected readings in economics, edited by C. J. Bullock, ch. ii (pp. 60–72). Boston, 1907. 705 pp.

HARTWELL, E. M. The growth of Boston in population, area, etc. Boston, 1911. 8 pp.

Reprinted, with additions, from Bulletin, Statistics Department, xii, no. 4–6 (1910).

JAMES, E. J. Growth of great cities in area and population; a study in municipal statistics. Annals of the American Academy of Political and Social Science, xiii, pp. 1–30 (January, 1899).

Massachusetts. Bureau of Statistics. The population of Massachusetts, as determined by the thirteenth census of the United States, 1910. Compiled by the director of the Bureau of Statistics. Boston, 1911. 56 pp.

Arranged by cities and towns, counties, and congressional districts; also the population of metropolitan Boston; and certain comparisons with former censuses, and notes, with statutory citations on annexations, changes in boundaries, place names, etc., since 1900.

ROSS, E. A. Growth of population. American Journal of Sociology, x, pp. 81–87 (July, 1904).

THOMPSON, J. W. Co. Population and its distribution, compiled from the United States census figures of 1910. New York, 1912. 89 pp.

United States. Bureau of the census. Thirteenth census of the United States: 1910. Bulletin. Population: United States. Population of cities. Prepared under the supervision of W. C. HUNT, chief statistician for population. Washington, 1912. 46 pp.

This bulletin contains a complete presentation of the material gathered at the census of 1910 in regard to the population of cities and other incorporated places of 2500 inhabitants and over.

WEBER, A. F. The growth of cities in the nineteenth century; a study in statistics. New York, 1899. 495 pp. (Columbia University Studies in History, Economics and Public Law, xi.)

Ch. v (pp. 285–317), Deals especially with the structure of the city.

WEBER, A. F. Growth of cities, 1890–1900. Municipal Affairs, v, pp. 367–375 (June, 1901).

3. CAUSES AND EFFECTS OF CITY GROWTH

BOOKWALTER, J. W. Rural versus urban, the conflict and its causes; a study of the conditions affecting their natural and artificial relations. New York, 1910. 292 pp.

The subject matter of this volume was originally contained in a series of letters published in a local newspaper in Springfield, Ohio.

CANTLIE, JAMES. Physical efficiency; a review of the deleterious effects of town life upon the population of Great Britain, with suggestions for their arrest. London, 1906. 216 pp.

CLERGET, PIERRE. Urbanism; a historic, geographic and economic study. Annual report, Smithsonian Institution, 1912, pp. 653–667. (Translated from Bulletin de la Société Neuchâteloise de Géographie, xx, pp. 213–231 (1909–1910).)

GILLETTE, J. M. Drift to the city in relation to the rural problem. American Journal of Sociology, xvi, pp. 645–667 (March, 1911).

GOODNOW, F. J. Municipal government. New York, 1909. 401 pp.

Ch. i (pp. 3–14), Urban growth.

GUILLOU, JEAN. Étude d'économie rurale et sociale. L'émigration des campagnes vers les villes et ses conséquences économiques et sociales. Paris, 1905. 396 pp.

MEURIOT, P. M. G. Des agglomérations urbaines dans l'Europe contemporaine; essai sur les causes, les conditions, les conséquences de leur développement. Paris, 1898. 475 pp.

ROSSITER, W. S. Decrease in rural population. Review of Reviews, xxxiv, pp. 74–80 (July, 1906).

ROWE, L. S. Problems of city government. New York, 1908. 358 pp.

Ch. iv (pp. 62–95), The social consequences of growth; ch. v (pp. 96–114), The political consequences of city growth.

United States. Country Life Commission. Report. Washington, 1909. 65 pp. (United States. 60th Congress, 2d session. Senate doc. no. 705.)

USQUIN, ÉMILE. La dépopulation des campagnes. Paris, 1910. 165 pp.

VANDERVELDE, ÉMILE. L'exode rural et le retour aux champs. Paris, 1910. 304 pp.

WEBER, A. F. The growth of cities in the nineteenth century; a study in statistics. New York, 1899. 495 pp. (Columbia University Studies in History, Economics and Public Law, xi.)

Ch. viii (pp. 410–445), General effects of the concentration of population.

——. The significance of recent city growth; the era of small industrial centres. Annals of the American Academy of Political and Social Science, xxiii, pp. 223–236 (March, 1904).

WILCOX, D. F. Great cities in America. New York, 1910. 426 pp.

Ch. viii (pp. 402–416), City growth; the problems of the great cities.

WILLCOX, W. F. Problems of population from the thirteenth census, 1910. American Yearbook, 1911, ch. iii (pp. 34–43).

4. CONGESTION OF POPULATION IN CITIES

ATTERBURY, GROSVENOR. The prevention and relief of congestion of population; an introductory outline. Proceedings, Second National Conference on City Planning and the Problems of Congestion, pp. 57–71 (1910).

BAILEY, L. H. The country life movement in the United States. New York, 1911. 220 pp.

BEARD, C. A. American city government. New York, 1912. 420 pp.

Appendix ii (pp. 394–408), Recommendations of the New York City commission on congestion.

BENNET, W. S. Immigration and congestion of population. Proceedings, Second National Conference on City Planning and the Problems of Congestion, pp. 40–41 (1910).

BRUSH, E. H. Congestion in cities and the housing problem. Review of Reviews, xliii, pp. 199–207 (February, 1911).

HARTMAN, E. T. Causes of congestion in Boston. Proceedings, Second National Conference on City Planning and the Problems of Congestion, pp. 61–63 (1910).

HOOKER, G. E. Congestion and its causes in Chicago. *Ibid.*, pp. 42–57.

JONES, T. J. The sociology of a New York city block. New York, 1904. 136 pp.

LAIDLAW, WALTER, and HAROLD, M. F. Basic statistics for a congestion study of New York. The congestion of Manhattan Island. New York, 1908. 48 pp. (Reprinted from Federation, v, no. 3, pp. 1–9 (1908).)

LAWSON, J. F. One remedy for congestion of population. Outlook, xcviii, pp. 313–314 (June 10, 1911).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Congestion in cities, i, pp. 380–381. References, p. 381.

MARSH, B. C. Causes of congestion of population. Proceedings, Second National Conference on City Planning and the Problems of Congestion, pp. 35–39 (1910).

NELSON, N. O. Remedy for city congestion. Independent, lxv, pp. 703–706 (September 24, 1908).

NEWMAN, B. J. Block reconstruction; how a congested city block can be made fit for human habitation. American City, v, pp. 131–135 (September, 1911).

New York City. Commission on Congestion of Population. Report, February 28, 1911. New York, 1911. 272 pp.

PALMER, L. E. Congestion in Boston. Survey, xxiv, pp. 173–176 (April 30, 1910).

PRATT, E. E. Industrial causes of congestion of population in New York City. New York, 1911. 259 pp.
Bibliography, pp. 249–259.

WEBBER, G. A. Congestion in Philadelphia. Proceedings, Second National Conference on City Planning and the Problems of Congestion, pp. 58–60 (1910).

WOOLSTON, H. B. A study of the population of Manhattanville. New York, 1909. 159 pp. (Columbia University Studies in History, Economics and Public Law, xxxv, no. 2.)

SECTION XLIII. HOUSING REFORM

1. Lists of References

American Economic Review. Vol. i, March 1, 1911. Published quarterly.

Each issue contains abstracts of important periodical articles and reports on housing, also references to newly-published literature on the subject.

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Housing, pp. 99–107.

Chicago. School of Civics and Philanthropy. The housing problem; literature in central Chicago libraries. Chicago, 1912. 40 pp. (Bulletin no. 16 (July, 1912).)

Ford, James. The housing problem. Cambridge, 1911. 39 pp. (Harvard University. Department of Social Ethics. Publication no. v.)

A selected list of books and articles on housing and city planning, pp. 32–39.

Ihlder, John. Reports on housing. National Municipal Review, i, pp. 693–698 (October, 1912).

Gives a list of 86 recent housing reports in the United States and in Canada. See also *Ibid.*, iii, pp. 168–169 (January, 1914).

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–71 (April, 1908).

Housing, pp. 37–40.

Lindemann, Hugo. Zur Litteratur über die Wohnungsfrage. Berlin. Archiv für sozial Gesetzgebung und Statistik, xvii, pp. 508–540; xix, pp. 694–725; xxv, pp. 714–761 (1902–1907).

MacGregor, F. H. Tenement house legislation — state and local. Madison, 1909. 96 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 19 (January, 1909).)

References, p. 4.

Massachusetts. Bureau of Statistics. Homesteads for workingmen. Boston, 1912. 46 pp. (Labor Bulletin no. 88 (January, 1912).)

Bibliography, pp. 34–41.

New York. Public Library. Select list of works relating to city planning and allied subjects. Bulletin, xvii, pp. 930–960 (November, 1913).

Housing, pp. 948–951.

——. School of Philanthropy. Social aspects of town planning. New York, 1912. 4 pp. (Library Bulletin no. 5.)

——. ——. Improved housing. New York, 1912. 4 pp. (*Ibid.*, no. 6.)

Pittsburgh. Carnegie Library. Housing. Books and periodicals in the library on the housing problem. Monthly Bulletin, xvi, pp. 568–604 (December, 1911).

Reynolds, J. B., editor. Civic bibliography for Greater New York. New York, 1911. 296 pp. (Russell Sage Foundation publication.)

Housing, pp. 164–180.

St. Louis. Public Library. List of references on municipal lodging houses. Monthly Bulletin, new series, x, pp. 327–328 (July, 1912).

Toke, L. A. St. L., editor. A list of some recent works on housing and on rural problems. London, 1908. 32 pp.

United States. Library of Congress. Division of Bibliography. List of references on the housing question. Washington, 1912. 19 pp. (typewritten).

2. General Discussions

Alden, Percy. Democratic England. New York, 1912. 271 pp.

Ch. vii (pp. 165–191), The problem of housing the poor.

American Academy of Political and Social Science. Housing and town planning. Annals, li, whole no. 140 (January, 1914). Philadelphia, 1914. 270 pp.

Contents relating to housing: Introductory: Housing and the housing problem, by Carol Aronovici; A brief history of the housing movement in America, by R. W. DeForest. The new house: The relation of land values and town planning, by Raymond Unwin; Cost factors in housing reform, by Carol Aronovici; Taxation of real estate values and its effect on housing, by D. F. Wilcox; The religious value of proper housing, by W. B. Patterson; The workingman's home and its architectural problems, by F. A. Bourne; Can land be overloaded, by B. C. Marsh; Congestion and rents, by B. J. Newman; Housing reform through legislation,

by Lawrence Veiller; Wherein direct housing legislation fails, by E. T. Hartman. The old house: The old house as a social problem, by Mildred Chadsey; The problem of the old city house, by John Ihlder; Some effects of housing regulation, by J. J. Murphy. Special papers: Fire waste, by Powell Evans; Rural housing, by E. S. Forbes; Record keeping as an aid to enforcement, by Kate H. Claghorn; A housing survey, by Carol Aronovici; Housing and the real estate problem, by J. C. Nichols; Co-partnership for housing in America, by A. C. Comey; Relation between the small house and the town plan, by C. F. Puff, Jr.; Relation between transit and housing, by J. P. Fox; The interrelation of housing and city planning, by A. W. Crawford.

——. Social legislation and social activity. Annals, xx, no. 1 (July, 1902). Philadelphia, 1902. 304 pp.

Pt. III (pp. 83–149), Housing problem.

ARONOVICI, CAROL. Constructive housing reform. National Municipal Review, ii, pp. 210–220 (April, 1913).

BACON, A. F. What bad housing means to the community. Boston, 1910. 22 pp. (American Unitarian Association. Social Service series. Bulletin no. 13.)

BAKER, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Ch. xxxi (pp. 217–223), Municipal dwellings and lodging houses.

BALL, C. B. Health departments and housing. Proceedings, Second National Conference on Housing, pp. 33–46 (1912).

BARKER, J. E. The greatest social problem and its solution. Nineteenth Century Magazine, lxvii, pp. 585–604 (April, 1910).

BEARD, C. A. American city government. New York, 1912. 420 pp.

Ch. xi (pp. 287–310), Tenement house reform.

BRUSH, E. H. Congestion in the city and the housing problem. Review of Reviews, xliii, pp. 199–207 (February, 1911).

CHADSEY, MILDRED. What bad housing is. Philadelphia, 1913. 13 pp. (National Housing Association. Publication no. 25.)

CRAIGER, S. M. Progress of good housing. Review of Reviews, xlviii, pp. 577–586 (November, 1913).

CRAWFORD, A. W. Where city planning and housing meet. Proceedings, Second National Conference on Housing, pp. 129–146 (1912).

DAWSON, W. H. Municipal life and government in Germany. London, 1914. 507 pp.
Ch. vii (pp. 189–207), Housing policies.

FEISS, P. L. Housing reform through legislation. Proceedings, First National Conference on Housing, pp. 15–20 (1911).

FORD, JAMES. Fundamentals of housing reform. Report, Smithsonian Institution, 1914, pp. 741–754.

GODFREY, HOLLIS. The health of the city. Boston, 1910. 372 pp.
Ch. ix (pp. 263–301), City housing abroad; ch. x (pp. 302–345), City housing in America.

——. Problems of city housing. Atlantic Monthly, cv, pp. 403–413, 548–558 (March and April, 1910).

HOWE, F. C. The city, the hope of democracy. New York, 1906. 319 pp.
Ch. xii (pp. 187–201), The cost of the slum; ch. xiii (pp. 202–213), The city's homes.

——. The modern city and its problems. New York, 1915. 390 pp.
Ch. xix (pp. 273–288), The housing problem; ch. xx (pp. 289–304), Municipal housing in Europe.

IHLDER, JOHN. What good housing means. Colorado Springs, 1913. 5 pp. (Reprinted from American Journal of Public Health, iv, no. 1, pp. 20–25 (January, 1914).)

International Housing Congress. Proceedings. Published annually since 1889.
Contain many general discussions of great value.

National Housing Association. Housing problems in America. Proceedings of the National Conferences on Housing. New York, 1911–.
These volumes contain invaluable papers and discussions covering the subject in all its branches. See below, p. 272.

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.
Ch. iii (pp. 41–65), Home planning — the housing problem.

RIIS, J. A. Children of the tenement. New York, 1903. 387 pp.

——. How the other half lives; studies among the tenements of New York. New York, 1902. 304 pp.

——. The battle with the slum. New York, 1902. 465 pp.

——. The peril and the preservation of the home. New York, 1903. 190 pp.

Shows the menace to the sanctity of the home caused by the overcrowding in our large cities.

ROBINSON, C. M. Modern civic art. New York, 1904. 381 pp.

Ch. xiii (pp. 245–268), Among the tenements.

SYKES, J. F. J. Public health and housing. London, 1901. 216 pp.

Contains useful statistical data.

TOKE, L. A. ST. L., editor. The housing problem. London, 1912. 67 pp. (Catholic Studies in Social Reform, no. 3.)

UNWIN, RAYMOND. Town planning in practice. 2d edition. London, 1911. 416 pp.

VEILLER, LAWRENCE. Housing and health. Annals of the American Academy of Political and Social Science, xxxvii, pp. 13–25 (March, 1911).

——. The housing problem in American cities. *Ibid.*, xxv, pp. 248–272 (March, 1905).

WOODS, R. A., editor. Americans in process; a settlement study by residents and associates of the South End House. Boston, 1903. 389 pp.

Ch. iv (pp. 71–103), City and slum.

3. THE HOUSING PROBLEM IN DETAIL

ALDEN, PERCY, and HAYWARD, E. E. Housing. 3d edition. London, 1910. 168 pp. (Social Service Handbook no. 1.)

Bibliography, pp. 157–161.

American Academy of Political and Social Science. Housing and town planning. Annals, li, whole no. 140 (January, 1914). Philadelphia, 1914. 296 pp.

Various papers collected and edited by Carol Aronovici.

EBERSTADT, RUDOLPH. Handbuch des Wohnungswesens und der Wohnungsfrage. Jena, 1909. 412 pp.

——. Neue Studien über Städtebau und Wohnungswesen. Jena, 1912. 230 pp.

JAEGER, EUGEN. Die Wohnungsfrage. Two vols. in one. Berlin, 1902. 352, 322 pp.

JAEGER, EUGEN. Grundriss der Wohnungsfrage und Wohnungspolitik. Berlin, 1911. 156 pp.

National Housing Association. Housing problems in America. Proceedings of the National Conferences on Housing. New York, 1911–. Issued annually.

Vol. i. A housing programme, by Lawrence Veiller; The problems of the small house, by O. W. Davis; Housing reform through legislation, by P. L. Feiss; Privy vaults, by C. B. Ball; City planning and housing, by F. L. Olmsted; Alleys, by Mrs. A. F. Bacon; Law enforcement, by J. J. Murphy; The tenant's responsibility, by Emily W. Dinwiddie; Best types of small houses, by Helen L. Parrish; Garbage and rubbish, by L. E. Lovejoy; Housing conditions in small towns, by E. S. Forbes; Sanitary inspection of tements, by E. T. Hartman.

Vol. ii. Health departments and housing, by C. B. Ball; Regulation by law, by Mrs. A. F. Bacon; Room overcrowding and the lodger evil, by Lawrence Veiller; Instructive sanitary inspection, by Mrs. Joanna von Wagner; What are the best types of wage-earners' houses, by John Ihlder; Financing the small house, by L. K. Frankel; Garden cities, by Grosvenor Atterbury; The factory and the home, by John Nolen; Rural and suburban housing, by E. S. Forbes; Where city planning and housing meet, by A. W. Crawford.

Vol. iii. Garden cities, by G. E. Hooker; Coöperative housing, by A. C. Comey; How to get cheap houses, by G. F. Beer; The problem of the old house, by J. R. Richards; Restricted residence and business districts in German cities, by F. B. Williams; Housing of employees at industrial plants, by C. L. Close; Transit and housing, by H. C. Wright; Public health administration and housing, by C. J. Hastings.

NETTLEFOLD, J. S. A housing policy. Birmingham (England), 1906. 79 pp.

——. Practical housing. 2d edition. London, 1910. 194 pp.

THOMPSON, WILLIAM. The housing handbook. A practical manual for the use of officers, members, and committees of local authorities and all social or municipal reformers interested in the housing of the working classes. London, 1903. 270 pp.

——. Housing up-to-date. (Companion volume to the Housing handbook.) London, 1907. 306 pp.

VEILLER, LAWRENCE. Housing reform. New York, 1910. 213 pp.

A handbook for use in American cities. Describes housing evils and their significance, and tells how to start a movement for reform, the methods to be used, and the objects to be sought.

4. Tenement-House Regulation

Chicago. Woman's Club. Tenement housing conditions in twentieth ward, Chicago. Chicago, 1912. 16 pp.

De Forest, R. W. Recent progress in tenement house reform. Annals of the American Academy of Political and Social Science, xxiii, pp. 297–310 (March, 1904).

——. Tenement house regulation. *Ibid.*, xx, pp. 83–95 (July, 1902).

——, and Veiller, Lawrence, editors. The tenement house problem, including the report of the New York State Tenement House Commission of 1900, by various writers. 2 vols. New York, 1903.

These volumes contain a general discussion of the tenement house problem by the editors, and a series of brief articles on housing and housing problems contributed by men who have studied their subject in a number of cities. Among these are: Tenement reform in New York since 1901, by R. W. DeForest; The tenement house problem (report by the commission); Housing conditions in Buffalo, by W. A. Douglas and William Lansing; Back-to-back tenements, by Lawrence Veiller; Tenement house sanitation, by A. L. Webster; Small houses for working men, by H. L. Cargill; Tenement evils as seen by the tenants; Tuberculosis and the tenement house problem, by H. M. Biggs; Parks and playgrounds for tenement districts; Results of investigations in Buffalo in 1900; Tenement house rentals; Housing conditions and tenement laws in leading American cities. Schedules, forms and blanks used in the investigation of the New York commission are given.

Hartman, E. T. Sanitary inspection of tenements. Proceedings, First National Conference on Housing, pp. 77–82 (1911).

Louisville, Ky. Tenement House Commission. Report. Text by Janet E. Kemp, investigator for the commission. Louisville, 1909. 78 pp.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Tenement house regulation, iii, pp. 513–514. References, p. 514.

New York City. Bureau of Municipal Research. Tenement-house administration. New York, 1909. 175 pp.

Price, G. M. The tenement-house inspector. 2d edition. New York, 1910. 287 pp.

SHERWOOD, GRACE. Tenement houses; investigations and legislation. American Political Science Review, v, pp. 254–257 (May, 1911).

VEILLER, LAWRENCE. A model tenement house law. New York, 1910. 142 pp. (Russell Sage Foundation publication.)

See also below, p. 280.

5. MUNICIPAL HOUSING

General.

United States. Department of Labor. Bureau of Labor Statistics. Government aid to home owning and housing of working people in foreign countries. Washington, 1915. 451 pp. (Bulletin, whole no. 158; miscellaneous series no. 8.)

Year-book of social progress, 1913–1914. Being a summary of recent legislation, official reports, and voluntary effort, with regard to the welfare of the people. London, 1914. 595 pp.

Germany.

Kaiserliches Statistisches Amt. Wohnungsfürsorge in deutschen Städten. Berlin, 1910. 635 pp.

Kommunales Jahrbuch. Vol. vi, 1913–1914. Jena.

Wohnungswesen, pp. 188–327, by H. Lindemann. Each issue contains a similar section.

Great Britain.

Glasgow. Municipal Commission on the Housing of the Poor. Report and recommendations, together with minutes of evidence and appendices. Glasgow, 1904. 979 pp.

Municipal year book of the United Kingdom. Vol. xviii, 1914. London. 1194 pp.

Section xv (pp. 781–807), Housing of the working classes.

6. LODGING HOUSES

BROWN, E. A. The city as a landlord for the poor. World To-Day, xxi, pp. 857–865 (July, 1911).

See also *Ibid.*, xxi, pp. 946–948 (August, 1911).

ENGLAND, W. P. The lodging house investigation in Chicago. Survey, xxvii, pp. 1313–1317 (December 2, 1911).

FORD, G. B. Lodging houses. The Brickbuilder, xviii, pp. 185–190 (August, 1909).

LEWIS, O. F. Municipal lodging houses. Survey, xxii, pp. 749–759 (September 4, 1909).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Public lodging houses, ii, p. 369.

MULLENBACH, J. The municipal lodging house. Chicago City Club Bulletin i, pp. 364–368 (February 5, 1908).

ROBINS, RAYMOND. What constitutes a model municipal lodging house. Proceedings, National Conference of Charities and Correction, 1904, pp. 155–166.

St. Louis. Civic League. Unregulated cheap lodging houses. St. Louis, 1913. 12 pp.

VEILLER, LAWRENCE. Room overcrowding and the lodger evil. New York, 1913. 15 pp. (National Housing Association. Publications, no. 18.)

WOLFE, A. B. The lodging house problem in Boston. Boston, 1906. 200 pp. (Harvard Economic Studies, ii.)

7. THE HOUSING OF THE WORKING CLASSES

ALLAN, C. E., and F. J. Housing of the working classes acts, 1890–1909, annotated and explained. 3d edition. London, 1911. 436 pp.

KAUFMANN, MORITZ. The housing of the working classes and of the poor. London, 1907. 146 pp. (Social Problem series, no. 2.)

London. County Council. Housing of the working classes; report by the statistical officer on the present aspects of the housing question in London. London, 1908. 15 pp.

——. ——. Workmen's trains and trams with particulars of the council's dwellings for workmen. London, 1911. 156 pp.

Massachusetts. Bureau of Statistics. Homesteads for working men. Boston, 1912. 46 pp. (Labor Bulletin no. 88 (January, 1912).)

Includes the report of the Massachusetts Homestead Commission, January, 1912.

THOMPSON, WILLIAM, editor. Housing of the working classes. In Municipal year book of the United Kingdom, 1911, pp. 601–679. London, 1911. 966 pp.
See also Year books for later years.

WILLIS, W. A. Housing and town planning in Great Britain; being a statement of the statutory provisions relating to the housing of the working classes and to town planning, including the housing, town planning, etc., act, 1909. London, 1910. 201 pp.

8. HOUSING INVESTIGATIONS IN AMERICAN CITIES

Baltimore. KEMP, JANET E. Housing conditions in Baltimore. Baltimore, 1907. 96 pp.
Issued under the auspices of the Baltimore Association for the Improvement of the Condition of the Poor.

Boston.

Report of commission appointed to investigate tenement house conditions in the city of Boston, May 19, 1904. Boston, 1904. 66 pp. (Boston City doc. no. 77.)

Bridgeport, Conn. BROWN, UDETTA D. A brief survey of housing conditions in Bridgeport, Connecticut. Investigation and report for the Bridgeport Housing Association. Bridgeport, 1914. 64 pp.

Chicago.

BRECKINRIDGE, SOPHONISBA P., and ABBOTT, EDITH, editors. The housing problem in Chicago. Chicago, 1910–1912. 7 parts in 1 vol. (Reprinted from American Journal of Sociology, xvi, xvii, xviii.)
Contents: I. Housing of non-family groups of working-men, by M. B. Hunt; II. Families in furnished rooms, by S. P. Breckinridge and Edith Abbott; III. The twenty-ninth ward back of the yards, by S. P. Breckinridge and Edith Abbott; IV. The West Side revisited, by Edith Abbott and S. P. Breckinridge; V. South Chicago at the gates of the steel mills, by S. P. Breckinridge and Edith Abbott; VI. The problem of the negro, by A. P. Comstock; VII. Two Italian districts, by Grace P. Norton.

Chicago Association of Commerce. The housing problem in Chicago. Chicago, 1912. 6 pp.

WALD, S. T. Chicago housing conditions. Chicago, 1906. 8 pp.

Cleveland. Chamber of commerce. Housing Problem Committee. Housing conditions in Cleveland. Cleveland, 1904. 66 pp.

Detroit. FRANKLIN, L. M. Housing problem in Detroit. Charities and the Commons, xix, pp. 1338–1344 (January 4, 1908).

Fall River, Mass. ARONOVICI, CAROL. Housing conditions in Fall River. Fall River, 1912. 29 pp.

A report prepared for the Associated Charities' housing committee.

Indianapolis, Ind. ADAMS, L. M. C. An investigation of housing and living conditions in three districts in Indianapolis. Indiana University Bulletin, viii, pp. 111–141 (September, 1910).

Jersey City, N. J. SAYLES, M. B. Housing conditions in Jersey City. Philadelphia, 1903. 72 pp. (Supplement to the Annals of the American Academy of Political and Social Science, xxi (January, 1903).)

Kansas City, Mo. Board of Public Welfare. Report on housing conditions in Kansas City, Mo., showing defects in present laws and suggesting form of code needed. Kansas City, 1912. 93 pp.

Newark, N. J. GOODRICH, E. P., and FORD, G. B. Housing report to the city plan commission of Newark, N. J. Newark, 1913. 75 pp.

Report made for Messrs. Goodrich and Ford by Professor James Ford of Harvard University. A statement of principles taken from this report is printed in American City, x, pp. 473–480 (May, 1913).

New Haven, Conn. ARONOVICI, CAROL. Housing conditions in New Haven. New Haven, 1912. 48 pp. (Publication of the New Haven Civic Federation.)

New York City.

Commission on Congestion of Population. Report, February 28, 1911. New York, 1911. 272 pp.

Tenement House Commission. Annual reports. New York, 1903–.

Philadelphia.

DINWIDDIE, EMILY W. Housing conditions in Philadelphia; an investigation made under the direction of a committee of the Octavia Hill Association. Philadelphia, 1904. 42 pp.

Philadelphia (continued).

Housing Commission. Housing conditions in Philadelphia. Philadelphia, 1911.

Richmond, Va. WEBER, G. A. Report on housing and living conditions in the neglected sections of Richmond, Va. Richmond, 1913. 80 pp.

St. Louis. Civic League. Report of the housing committee on housing conditions in St. Louis. St. Louis, 1908. 84 pp.

San Francisco. MOTLEY, J. M. Housing rehabilitation. A reprint of Pt. IV of San Francisco relief survey, pp. 215–278. New York, 1913. (Russell Sage Foundation publication.)

Springfield, Mass. ARONOVICI, CAROL. Report on housing conditions in Springfield, Mass. Springfield, 1912. 39 pp.
Prepared for the housing committee of the Union Relief Association.

Washington, D. C.

KOBER, G. M. The history and development of the housing movement in the city of Washington, D. C. Washington, 1907. 64 pp.

WELLER, C. F. Neglected neighbors; stories of life in the alleys, tenements and shanties of the national capital. Washington, 1909. 342 pp.
Report of the President's Home Commission.

Housing Reports in smaller cities are listed in National Municipal Review, i, pp. 694–696 (October, 1912).

See also Louisville above, p. 273.

See also Social Surveys.

9. HOUSING STATISTICS

CHAPIN, R. C. Standard of living among workingmen's families in New York City. New York, 1909. 372 pp.

COMMONS, J. R. Standardization of housing investigations. (n. p.; n. d.) 8 pp.

DEWSNUP, E. R. The housing problem in England, its statistics, legislation and policy. Manchester, 1907. 327 pp. (Publications of the University of Manchester. Economic series no. vii.)
Reference list, pp. 317–321.

HANGER, G. W. W. Housing of the working people in the United States by employers. United States Department of Commerce and Labor, 1904, pp. 1191–1243. (Bureau of Labor Bulletin no. 54.)

JONES, T. J. The sociology of a New York city block. New York, 1904. 136 pp. (Columbia University Studies in History, Economics and Public Law, xxi, no. 2.)

Maryland. Bureau of Statistics and Information. Census of buildings in Baltimore city. Annual report, 1904, pp. 131–144; 1907, pp. 99–119.

Massachusetts. Bureau of Statistics. Living conditions of the wage-earning population in certain cities of Massachusetts. Boston, 1911. 145 pp. (Pt. III (pp. 189–333) of the Forty-first annual report (1911).)

New York City. Commission on Congestion of Population. Report. New York, 1911. 272 pp.

Rhode Island. Bureau of Industrial Statistics. Tenement house conditions in five Rhode Island cities. Providence, 1911. 38 pp. (Pt. I of the Annual report for 1910.)

Wisconsin. Bureau of Labor and Industrial Statistics. The housing problem in Wisconsin. Madison, 1906. 80 pp. (Pt. IV (pp. 275–354) of the Biennial report for 1905–1906.)

——. Free Library Commission. Tabulated results of operation of law regulating tenement houses. Cleveland, San Francisco, Cincinnati, Washington, Providence, St. Paul, Rochester, Toledo, Denver, Los Angeles. Madison, 1908. 1 folio.

Many of the references in the preceding sections also contain some statistical tables.

10. HOUSING LAWS AND THEIR ENFORCEMENT

FRYER, W. J., editor. The tenement house law and the lodging house law of New York, with headings, paragraphs, marginal notes and full indexes. New York, 1902. 129 pp.

MACGREGOR, F. H. Tenement house legislation, state and local. Madison, 1909. 96 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 19 (1909).)

Massachusetts. Civic League. Committee on Housing. A tenement house law for Boston. Boston, 1907. 4 pp.

New York City. Bureau of Municipal Research. Tenement house administration, steps taken to locate and to solve problems of enforcing the tenement house law. New York, 1909. 175 pp.

——. Tenement House Commission. Housing conditions and tenement laws in leading American cities. Prepared by LAWRENCE VEILLER. New York, 1900. 59 pp.

New York State. Tenement House Commission of 1900. Tenement house legislation in New York, 1852–1900. Prepared by LAWRENCE VEILLER. Albany, 1900. 197 pp.

A list of all laws enacted in the state of New York in reference to tenement houses, and also all general building laws, pp. 186–197.

VEILLER, LAWRENCE. A model housing law. New York, 1914. 343 pp. (Russell Sage Foundation publication.)

Contents: Housing reform through legislation; Building codes, tenement house laws; How to use the model law; A model housing law; What kind of houses can be built under the model law; Model tenement house law; Ideal housing law.

11. SERIAL PUBLICATIONS RELATING TO HOUSING REFORM

Garden Cities and Town Planning. New series, vol. i, 1905. London. Issued irregularly and monthly.

Includes the periodical formerly known as Housing Reformer.

International Housing Congress. Proceedings. First, 1889.

Ten meetings have been held in various European cities. The Proceedings of the ninth and tenth congresses contain very useful papers.

National Housing Association. Proceedings of the national conferences. First, 1911. New York, 1912–.

——. Publications.

About twenty-five have been issued. A full list may be found appended to the annual volumes of Proceedings.

Surveying and Housing World. Vol. xi, no. 19, January 6, 1912. London. Issued weekly.

Incorporates Local Government Officer and Contractor, and the Housing World.

SECTION XLIV. STREET CLEANING, SNOW REMOVAL, AND DUST PREVENTION

1. Lists of References

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–71 (April, 1908).
Street cleaning, pp. 64–65.

New York City. Public Library. List of works relating to city wastes and street hygiene. Bulletin, xvi, pp. 731–783 (October, 1912).

United States. Library of Congress. Division of Bibliography. Select list of references on methods of street cleaning. Washington, 1910. 4 pp. (typewritten).

——. ——. References on street cleaning and refuse disposal. Washington, 1912. (Typewritten.)

2. General Discussions and Reports

Aronovici, Carol. Municipal street cleaning. National Municipal Review, i, pp. 218–225 (April, 1912).

Baker, A. G., and Ware, A. H. Municipal government of the city of New York. New York, 1906. 350 pp.
Ch. xix (pp. 109–118), The New York department of street cleaning.

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.
Ch. xix (pp. 151–156), Street cleaning, etc.

Beard, C. A. American city government. New York, 1912. 420 pp.
Ch. ix (pp. 242–260), The streets of the city.

Edwards, W. H. Street sanitation, with some special references to New York City. In Municipal chemistry, edited by Charles Baskerville, ch. xiv (pp. 222–235). New York, 1911. 526 pp.

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.
Street cleaning, pp. 12, 46, 255–260.

Hansen, Paul. City waste disposal and street cleaning. Engineering News, lix, pp. 448–449 (April 23, 1908).

ROBINSON, C. M. The improvement of towns and cities. 4th edition. New York, 1913. 313 pp.

The cleaning of streets, pp. 42–51.

VERY, E. D. Methods of street cleaning and waste disposal of the city of New York. In Municipal chemistry, edited by Charles Baskerville, ch. xv (pp. 236–251). New York 1911. 526 pp.

See also American City, vii, pp. 434–439 (November, 1912).

WHINERY, SAMUEL. Elementary theory and principles of street cleaning. Engineering Record, lxvi, pp. 461–462 (October 26, 1912).

——. Progress in street cleaning. *Ibid.*, lxviii, p. 295 (September 13, 1913).

See also Engineering and Contracting, xl, pp. 312–313 (September 17, 1913).

——. Street cleaning and the work of the street cleaning and watering departments. Reports, Boston Finance Commission, iv (1909), ch. vii (pp. 265–325).

3. TECHNICAL DISCUSSIONS AND REPORTS

BYRNE, A. T. Treatise on highway construction. 5th edition. New York, 1907. 1040 pp.

Street cleaning, pp. 693–726.

HATTON, T. C. Street cleaning and disposition of sweepings. Municipal Engineering, xxxi, pp. 374–377 (November, 1906).

MAY, ARTHUR. The cleansing of cities and towns. 2d edition. London, 1912. 348 pp.

A handbook of present-day methods in English cities.

New York City. Citizens' Union. Bureau of City Betterment. Some phases of the work of the department of street cleaning in New York City. New York, 1906. 48 pp.

——. Report of commission on street cleaning and waste disposal. City Record, xxxvi, pp. 1162–1202 (1908).

NIEDNER, FRANZ. Die Strassenreinigung in den deutschen Städten unter besonderer Berücksichtigung der Dresdner Strassenreinigung. Leipzig, 1911.

German methods, with special reference to Dresden. A book of about a hundred pages with illustrations and tables.

SOPER, G. A. Modern methods of street cleaning. New York, 1909. 201 pp.
The best up-to-date study of the subject.

WARING, G. E. Street cleaning and the disposal of a city's waste. New York, 1897. 230 pp.
A useful book, because of its general discussions, despite the fact that it was written eighteen years ago.

4. STREET-CLEANING METHODS IN VARIOUS AMERICAN CITIES

Baltimore. SCOTT, S. S. The street cleaning department of Baltimore. American City, ix, pp. 546–548 (December, 1913).

Boston.

Finance Commission. Street cleaning and the work of the street cleaning and watering department of Boston. Reports, iv (1909), ch. vii (pp. 265–325).

FOX, R. T. Report on street cleaning, street watering and the sanitary departments of Boston. Boston, 1907. 27 pp.

Chicago.

CENFIELD, F. H., and SEGUR, A. B. Street cleaning efficiency standards for Chicago. Engineering News, lxix, pp. 402–404 (February 27, 1913).

FOX, R. T. Street cleaning in down-town Chicago. Journal, Western Society of Engineers, xviii, pp. 119–136 (February, 1913).
See also Engineering Record, lxvi, p. 723 (December 28, 1912).

Cleveland. Street cleaning methods in Cleveland. Municipal Engineering, xxxi, pp. 437–438 (December, 1906).

Detroit. Street cleaning in Detroit. *Ibid.*, xxxvi, pp. 383–384 (June, 1909).

New Orleans. SMITH, G. S. Cleaning a great city. Municipal Journal, xxxiii, pp. 868–869 (December 12, 1912).
An account of the system of night-cleaning in the commercial district.

New York City.

Citizens' Union. Bureau of City Betterment. Some phases of the work of the department of street cleaning of New York City. New York, 1906. 48 pp.

New York City (continued).

EDWARDS, W. H. Street sanitation, with some special references to New York City. In Municipal chemistry, edited by Charles Baskerville, ch. xiv (pp. 222–235). New York, 1911. 526 pp.

Report of the commission on street cleaning and waste disposal appointed by Mayor McClellan on July 11, 1907. City Record, xxxvi, pp. 1162–1202 (1908).

VERY, E. D. Methods of street cleaning and waste disposal of the city of New York. In Municipal chemistry, edited by Charles Baskerville, ch. xv (pp. 236–251). New York, 1911. 526 pp.

New York street cleaning. Municipal Journal and Engineer, xxix, pp. 45–50 (July 13, 1910).

Philadelphia. CONNELL, W. H. Street cleaning methods and equipment in Philadelphia. American City, x, pp. 338–343 (April, 1914).

Providence, R. I. ARONOVICI, CAROL. Municipal street cleaning; a survey of the problem in Providence. Providence, 1911. 34 pp. (Reprinted from Annual report, Rhode Island Bureau of Industrial Statistics, 1911, Pt. I.)

Washington, D. C. PAXTON, J. W. Street cleaning at Washington, D. C. Engineering Record, lxviii, pp. 353–354 (September 27, 1913).

5. STREET-CLEANING STATISTICS, ACCOUNTING AND RECORDS

Chicago. Civil Service Commission. Report on the appropriations and expenditures of the bureau of streets, department of public works, of the city of Chicago. Chicago, 1913. 64 pp.

FETHERSTON, J. T. Street cleaning records. Municipal Journal and Engineer, xxxi, pp. 495–496 (October 18, 1911).

Discusses Dr. Meyer's articles (see below). See also *Ibid.*, xxiii, pp. 3–10 (July 3, 1907).

HERING, RUDOLPH. Data on street cleaning efficiency in Berlin. Engineering News, lxv, pp. 596–598 (May 18, 1911).

Berlin, it is claimed, is kept clean with less labor and less expense than other large cities, and its street-cleaning organization and practice are here explained in detail.

KELLOGG, D. D. Physical records of street cleaning service and the value of uniform accounting. Pacific Municipalities, xxvi, pp. 539–542 (November, 1912).

MEYER, E. C. Street cleaning accounting and reporting. Municipal Journal and Engineer, xxxi, pp. 294–296, 426–429, 467–468, 759–760 (September 6, October 4 and 11, December 14, 1911).

United States. Bureau of the Census. Statistics of cities having a population of over 25,000: 1902–1903. Washington. Issued annually since 1905.

See index under Street cleaning. Beginning with 1905 statistics (1907), the figures are for cities having over 30,000 population.

Cost of street cleaning, street watering, oiling and maintenance of horses at Boston. Engineering and Contracting, xxxvii, pp. 73–75 (January 17, 1912); xxxix, p. 201 (February 19, 1913).

Cost of street cleaning in Washington, D. C. Municipal Engineering, xxxiii, pp. 260–261 (October, 1907).

See also Municipal Journal, xxxv, pp. 613–616 (November 6, 1913).

Street cleaning methods and costs in several Ohio cities. Engineering and Contracting, xxxviii, pp. 318–321 (September 18, 1912).

See also Municipal Journal, xxxv, pp. 619–622 (November 6, 1913); xxxvi, p. 211 (February 12, 1914).

Street cleaning records. Municipal Journal, xxxv, pp. 633–639 (November 6, 1913); xxxvi, pp. 361–364 (March 12, 1914).

Street-cleaning statistics furnished by officials of 150 cities; kinds and areas of pavement cleaned; methods of cleaning employed; amount and disposal of sweepings; size of force. Municipal Journal, xxxvii, pp. 833–845 (December 10, 1914).

6. SNOW REMOVAL

CRUTCHER, H. M. Snow removal in St. Louis. Municipal Journal, xxxvi, pp. 357–358 (March 12, 1914).

The snow is dumped into sewers through openings provided for that purpose.

DANA, EDWARD. Coping with snow in Boston. Electric Railway Journal, xxxix, pp. 391–394 (March 9, 1912).
Describes the snow-fighting methods used on the Boston elevated and surface lines.

FETHERSTON, J. T. Clearing the streets of a snow-bound city. Engineering Record, lxix, pp. 352–355 (March 28, 1914).
Re-establishing traffic in Greater New York after eight snowfalls aggregating 34.7 inches. Over 5,000,000 cubic yards removed from February 14 to March 18, 1914. Use of sewers successful.

JOHNSON, N. C. An economic study of snow removal in cities by means of melting machines. Engineering and Contracting, xxxvi, pp. 254–256 (September 6, 1911).
Considers an extreme case, illustrating the methods which have given good results.

MAY, ARTHUR. The cleansing of cities and towns. 2d edition. London, 1912. 348 pp.
Ch. v (pp. 99–111), The collection and disposal of snow.

SOPER, G. A. Modern methods of street cleaning. New York, 1909. 201 pp.
See index under Snow.

TURINI, W. G. Snow removal in New York. Municipal Journal and Engineer, xxix, pp. 849–850 (December 21, 1910).
See also *Ibid.*, xvi, pp. 54–66 (January, 1904).

Sewers for snow removal. Municipal Journal, xxxvi, pp. 357–358 (March 12, 1914).

Snow ploughs for city use. Municipal Journal and Engineer, xxix, pp. 769–773 (December 7, 1910).
Illustrates and describes various types to meet different requirements.

7. DUST PREVENTION

GORHAM, E. P. The bacteriology of street dust. American City, iii, pp. 174–176 (October, 1910).

HESSLER, ROBERT. Dusty air and ill-health. Indianapolis, 1912. 352 pp.

HOFFMAN, F. L. The prevention of diseases by the elimination of dust. American City, iv, pp. 213–216 (May, 1911).

HUBBARD, PREVOST. Dust preventives and road binders. New York, 1910. 416 pp.
A full discussion.

ICKE, J. F. Methods of preventing dust on macadam streets. City Hall-Midland Municipalities, xxiii, pp. 51–53 (May, 1912).

JUDSON, W. P. Road preservation and dust prevention. New York, 1908. 146 pp.
Methods, costs and tests on preservation of surface and the prevention of dust on roads.

MCLEAN, W. A. Surface treatment for dust prevention. Engineering Magazine, xlii, pp. 812–814 (February, 1912).

OGDEN, J. G. The kingdom of dust. Chicago, 1912. 116 pp.

PAGE, L. W. Dust preventives. Yearbook, United States Department of Agriculture, 1907, pp. 257–266.

PRUDDEN, T. M. Dust and its dangers. 2d edition. London, 1910. 113 pp.

SMITH, J. W. Dustless roads. Tar macadam; a practical treatise for engineers, surveyors and others. London, 1909. 225 pp.

Prevention of dust on city and suburban roads. American City, vi, pp. 587–593 (March, 1912).

SECTION XLV. MUNICIPAL CEMETERIES

1. LIST OF REFERENCES

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Cemeteries, pp. 36–37.

2. GENERAL DISCUSSIONS

HARE and HARE. The modern park cemetery; suggestions based on practical experience as to location, physical development, maintenance and administration. New York, 1914. 7 pp. (American City Pamphlet no. 164.)
See also American City, xi, pp. 103–109 (August, 1914).

PIETZNER, HANS. Landschaftliche Friedhöfe; ihre Anlage, Verwaltung und Unterhaltung. Leipzig, 1904. 110 pp.

SONNE, O. The complete development of a modern cemetery: I. Selection of site and preparing ground; II. Water supply and drainage system. Park and Cemetery, xxiii, pp. 212–213, 230–232 (January and February, 1914).

WEED, H. E. Modern park cemeteries. Chicago, 1912. 145 pp.

Disposal of the dead. Pacific Municipalities, xxvii, pp. 421–425 (August, 1913).

The modern park cemetery. American City, xi, pp. 103–109 (August, 1914).

3. PERIODICAL PUBLICATION

Park and Cemetery and Landscape Gardening; devoted to the improvement of parks, cemeteries, public and private grounds. Vol. i, 1891. Chicago. Published monthly.
Formerly called the Modern Cemetery.

SECTION XLVI. MUNICIPAL MARKETS AND ABATTOIRS

1. LISTS OF REFERENCES

New York City. Mayor's Market Commission. Report, December, 1913. New York, 1913. 311 pp.
Bibliography by C. C. Williamson, pp. 265–294. A very full list covering markets and allied subjects.

——. Public Library. Check list of works relating to the streets, markets, real estate, public buildings, etc., of the city of New York, in the New York Public Library. Bulletin, v, pp. 151–159 (April, 1901).

United States. Library of Congress. Division of Bibliography. Select list of references on the cost of living and prices. Compiled under the direction of H. H. B. MEYER, chief bibliographer. Washington, 1910. 107 pp.

——. ——. Additional list of references on the cost of living and prices. Compiled under the direction of H. H. B. MEYER, chief bibliographer. Washington, 1912. 120 pp.

2. GENERAL DISCUSSIONS AND REPORTS

American Academy of Political and Social Science. Reducing the cost of food distribution. Annals, l, whole no. 139 (November, 1913). Philadelphia, 1913. 306 pp.
Pt. III Lower costs through municipal markets and direct marketing: Municipal markets, by C. L. King; Some typical American markets — a symposium; A questionnaire on markets, by J. W. Farley; Wholesale terminal markets in Germany and their effect on food costs and conservation, by D. Levin.

BLACK, Mrs. ELMER. Communal benefits from the public control of terminal markets. Annals of the American Academy of Political and Social Science, xlviii, pp. 149–153 (July, 1913).

——. European municipal market conditions and management. United States Congressional Record, xlix, pp. 2221–2224 (January 28, 1913).

BROOKS, R. C. A German solution of the slaughterhouse problem. Yale Review, xv, pp. 369–390 (February, 1907).

CARTER, J. F. Public markets and marketing methods. American City, viii, pp. 121–138 (February, 1913).
Suggestions for reducing the high cost of living, based on an inquiry into marketing conditions in seventy-one cities.

DRIGGS, L. L. Feeding the public and municipal supervision. Independent, lxxv, pp. 32–35 (July 3, 1913).

FAIRLIE, J. A. Municipal administration. New York, 1906. 448 pp.
Municipal markets and abattoirs, pp. 307–309.

KAMP, CHARLES. Management of a municipal market. American City, x, pp. 63–64 (January, 1914).

KING, C. L. Lower living costs in cities. New York, 1915. 355 pp. (National Municipal League series.)

MALTBIE, M. R. Municipal functions: a study of the development, scope and tendency of municipal socialism. Municipal Affairs, ii, pp. 577–799 (December, 1898).
Markets and abattoirs, pp. 716–722.

MELVIN, A. D. State and municipal meat inspection and municipal slaughter houses. Washington, 1912. 14 pp. (United States Department of Agriculture. Bureau of Animal Industry. Circular 185.)

MILLER, C. C. Municipal market policy. New York, 1912. 18 pp.
Pamphlet containing a speech before the City Club of New York. Decribes foreign market policy.

——. Municipal markets and their relation to the cost of living. Annals of the American Academy of Political and Social Science, xlviii, pp. 140–148 (July, 1913).

MILLER, C. C. What the city can do to reduce the cost of living. New York, 1913. 15 pp.
Address delivered at Binghampton, N. Y., on June 6, 1913, before the Conference of Mayors and Other City Officials of the State of New York.

——, and others. Symposium of marketing methods in leading European cities. American City, viii, pp. 355–363 (April, 1913).

MOWRY, D. E. The municipal market situation. National Municipal Review, i, pp. 410–417 (July, 1912).

National Municipal League. Report of the committee on the relation of the city to its food supply. Edited by A. J. ANDERSON. Philadelphia, 1915.

Philadelphia. City Club. A discussion of municipal markets as factors in reducing the cost of living. Bulletin, vi, pp. 259–295 (February, 1913).

SPIEGELBERG, Mrs. FLORA. Some suggestions in regard to the present agitation for the establishment of municipal wholesale terminal markets from a consumer's point of view. New York, 1914. 15 pp.

SULLIVAN, J. W. Markets for the people; the consumer's part. New York, 1913. 316 pp.
An interesting general discussion of the municipal market question.

VAN ORMAN, RAY. Municipal meat inspection and municipal slaughter houses. American City, xi, pp. 14–18 (July, 1914).

Free markets for city dwellers. Literary Digest, xlix, pp. 725–726 (October 17, 1914).

Market procedure. A valuable inquiry into market methods and practice of some of the largest English cities and towns. Municipal Journal (London), xiv, pp. 425, 491–492 (April 25, May 12, 1905).

Municipal markets. Municipal Journal, xxxiv, pp. 85–87 (January 16, 1913); xxxv, pp. 829–830 (December 18, 1913).
Effect of reducing retail food prices in several cities; direct retailing without licenses, distribution costs, etc.

3. Technical Discussions and Reports

Ayling, R. S. Public abattoirs: their planning, design and equipment. New York, 1908. 88 pp.

Black, Mrs. Elmer. A terminal market system. New York's most urgent need. New York, 1912. 32 pp.

The result of an investigation of markets on both sides of the Atlantic.

Cash, C. Our slaughter-house system, a plea for reform. London, 1907. 212 pp.

Gerhard, W. P. Sanitary features of markets and abattoirs. American Architect, xc, pp. 187–188, 203–204 (December 15, 29, 1906); xci, pp. 59–61, 85–87 (February 2, 23, 1907).

Loverdo, J. de, and others. Les abattoirs publics. 2 vols. Paris, 1906.

Contents: vol. i, Construction et agencement des abattoirs: dispositions générales; construction; agencement; frigorique; industries annexes; abattoirs étrangers; par J. de Loverdo. Vol. ii, Inspection et administration des abattoirs, installation des marchés aux bestiaux, par H. Martel, J. de Loverdo [et] Mallet.

Mesnager, André. Les abattoirs modernes; éléments et dispositions d'ensemble des abattoirs d'après études faites en France et en Allemagne. Paris, 1907. 135 pp.

A full account of plans and methods in France and Germany.

Moreau, A. L'abattoir moderne, construction, installation, administration. Paris, 1906. 477 pp.

New York City. Department of Docks and Ferries. A report on wholesale terminal markets at the port of New York. New York, 1912. 21 pp.

A report submitted to the New York Food Investigation Commission by Calvin Tomkins.

——. Mayor's Market Commission. Public markets and the water-front problem. Report by A. L. Schaffer. New York, 1912. 22 pp.

——. ——. Report. New York, 1913. 311 pp.

Parks, G. H. The sanitary construction and equipment of abattoirs and packing houses. Annual Report, United States Department of Agriculture, Bureau of Animal Industry, no. 26, pp. 247–263 (1911).

SCHACHNER, RICHARD. Märkte und Markthallen für Lebensmittel. 2 vols. Berlin, 1914.

SCHWARZ, OSKAR. Public abattoirs and cattle markets. London, 1901. 472 pp.

United States. Bureau of the Census. Census of manufactures: 1905. Slaughtering and meat packing, manufactured ice, and salt. Washington, 1907. 83 pp. (Bulletin 83.)

——. Department of Commerce and Labor. Bureau of Manufactures. Municipal markets and slaughterhouses in Europe. Washington, 1910. 117 pp. (United States Special Consular Reports, xlii, Pt. III (1910).)

4. DESCRIPTIVE DISCUSSIONS AND REPORTS RELATING TO ABATTOIRS AND SLAUGHTERHOUSES IN VARIOUS CITIES

Amsterdam. MAHIN, F. M. Municipal abattoir in Amsterdam. United States Daily Consular and Trade Reports, no. 99, pp. 424–425 (April 28, 1911).

Baltimore. THRIFT, J. F., and CHILDS, W. T. Baltimore's markets. Annals of the American Academy of Political and Social Science, l, pp. 119–127 (November, 1913).

Berlin. MAYNER, WILLIAM. Model municipal slaughter establishment at Berlin. A lesson in sanitary meat-dressing. Scientific American, xcv, pp. 68–69 (July 28, 1906).

Cleveland. KAMP, CHARLES. Municipal markets for Cleveland. Annals of the American Academy of Political and Social Science, l, pp. 128–130 (November, 1913).

Dresden. GAFFNEY, T. ST. J. Municipal slaughterhouses in Dresden. United States Daily Consular and Trade Reports, no. 141, p. 1231 (June 17, 1911).

Indianapolis, Ind. BURK, ANNIE. The Indianapolis market. Annals of the American Academy of Political and Social Science, l, p. 131 (November, 1913).

Los Angeles, Cal. Successful municipal market in Los Angeles. World's Work, xxvii, p. 114 (November, 1913).

Madison, Wis. Madison's municipal market. Enclosed market room, market master's room and waiting rooms. Municipal Journal, xxxi, pp. 197–199 (August 16, 1911).

Milwaukee, Wis. TIEFENTHALER, LEO. The Milwaukee municipal market. Annals of the American Academy of Political and Social Science, l, pp. 132–136 (November, 1913).

New York City. Mayor's Market Commission. Report, December, 1913. New York, 1913. 311 pp.

Paris. VAN VORST, Mrs. JOHN. The markets of Paris. Lippincott's Monthly, lxxxvi, pp. 90–95 (July, 1910).

Philadelphia.

LIPPINCOTT, ACHSAH. Municipal markets in Philadelphia. Annals of the American Academy of Political and Social Science, l, pp. 134–136 (November, 1913).

KING, C. L. A study of the trolley light-freight service and Philadelphia markets in their bearing on the cost of farm produce. Philadelphia, 1912. 58 pp.

——. Philadelphia's high cost of living program. National Municipal Review, ii, pp. 289–294 (April, 1913).

Rochester, N. Y. MERRILL, W. W. The Rochester public market. Annals of the American Academy of Political and Social Science, l, pp. 137–138 (November, 1913).

See also Municipal Journal and Engineer, xxiv, pp. 385–389 (April 1, 1908).

St. Louis. Municipal markets of St. Louis. Municipal Journal and Engineer, xxviii, pp. 611–616 (April 27, 1910).

Washington, D. C. Washington's municipal markets. *Ibid.*, xxix, pp. 81–83 (July 20, 1910).

MOWRY, D. E. Municipal markets. Boston, Baltimore, Chicago, and New Orleans market buildings. *Ibid.*, xxiii, pp. 462–464 (October 23, 1907).

Markets of some great cities. Boston, Baltimore, Chicago, San Francisco. A symposium. Chautauquan, xxiv, pp. 332–335 (December, 1896).

See also Public Health, Food Inspection, Milk Inspection.

SECTION XLVII. SMOKE ABATEMENT

1. Lists of References

McClelland, E. H., compiler. Bibliography of smoke and smoke prevention. Pittsburgh, 1913. 164 pp. (University of Pittsburgh. Mellon Institute of Industrial Research and School of Specific Industries. Smoke Investigation Bulletin no. 3.)

A complete list.

Pittsburgh. Carnegie Library. Smoke prevention; references to books and magazine articles. Pittsburgh, 1907. 20 pp. (Reprinted from Monthly Bulletin, xii, pp. 195–212 (May, 1907).)

2. General Discussions

Bates, F. G. City smoke ordinances and smoke abatement. National Municipal Review, ii, pp. 151–152 (January, 1913).

Benjamin, C. H. Smoke and its abatement. Transactions, American Society of Mechanical Engineers, xxvi, pp. 713–743 (1905).

Benner, R. C. Methods and means of smoke abatement. American City, ix, pp. 230–232 (September, 1913).

Breckenridge, L. P. Smoke and smoke prevention. Proceedings, American Water Works Association, 1909, pp. 316–348.

Cary, A. A. Prevention of smoke. Engineering Record, liii, pp. 514–516 (April 21, 1906).

Flagg, S. B. City smoke ordinances and smoke abatement. Washington, 1912. 57 pp. (United States Bureau of Mines. Bulletin 49.)

Information concerning the status of smoke abatement in the United States and what are believed to be the better methods for its accomplishment.

Godfrey, Hollis. The health of the city. Boston, 1910. 372 pp.

The smoke nuisance, pp. 1–8.

GRAHAM, J. W. The destruction of daylight; a study in the smoke problem. London, 1907. 152 pp.

HALE, R. S. Smoke prevention. Engineering Magazine, xxviii, pp. 983–985 (September, 1904).

KERSHAW, J. B. C. Smoke abatement. Nineteenth Century Magazine, lxx, pp. 1162–1177 (December, 1911).

——. The smoke problem in large cities. Fortnightly Review, lxxxix, pp. 286–299 (February, 1908).

LOCHER, CYRUS. The smoke nuisance and the law. Washington, 1910. 13 pp.

An address before the American Civic Association, December 10, 1910.

LODGE, (Sir) OLIVER J. Modern problems; a discussion of debatable problems. New York, 1912. 336 pp.

Ch. xviii (pp. 243–256), The smoke nuisance.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Public regulation of smoke, iii, p. 323.

OLMSTED, F. L., and others. The smoke nuisance. Washington, 1911. 56 pp. (American Civic Association. Department of Nuisances. Publications, series 2, no. 1.)

Bibliography, p. 56.

PARSONS, P. B. The smoke problem, with some special applications to New York City. In Municipal chemistry, edited by Charles Baskerville, ch. xxi (pp. 322–336). New York, 1911. 526 pp.

WILLARD, Z. A. Smoke nuisance in Europe and America; its menace and its cure. Boston, 1909. 48 pp.

WILSON, H. M. A cure for the smoke evil. American City, iv, pp. 263–267 (June, 1911).

Smoke abatement and ordinances. Engineering Record, lxvii, pp. 151–152 (February 8, 1913).

A comparison of present conditions in principal cities of the United States.

3. TECHNICAL DISCUSSIONS AND REPORTS

BARR, W. M. The combustion of coal and the prevention of smoke. New York, 1913. 349 pp.

A practical treatise for engineers, firemen, etc. Contains nearly five hundred questions, with answers, covering everything relating to combustion, heat, and steam generation.

BEMENT, ALBERTO. The economical burning of coal without smoke. Chicago, 1904. 48 pp.

BOOTH, W. H., and KERSHAW, J. B. C. Smoke prevention and fuel economy; based on the German work of E. Schmatolla. London, 1908. 194 pp.

Coal Smoke Abatement Society (London). Papers read at the smoke abatement conferences, with discussions. London, 1912. 158 pp.

Printed in connection with the International Smoke Abatement Exhibition, held in London during 1912.

COHEN, J. B., and RUSTON, A. G. Smoke. A study of town air. London, 1912. 88 pp.

A collection of data relating to the effects of imperfect coal combustion on vegetation, buildings, etc.

FRAZER, PERSIFOR. Search for the causes of injuries to vegetation in an urban villa near a large industrial establishment, together with a bibliography on the subject. Transactions, American Institute of Mining Engineers, 1907, pp. 377–434.

HAYS, J. W. Combustion and smokeless furnaces. New York, 1906. 104 pp.

MONNETT, OSBORN. New methods of approaching the smoke problem. Chicago, 1912. 19 pp. (Reprinted from Proceedings, Western Society of Engineers, xvii, pp. 1011–1043 (1912).)

NICHOLSON, WILLIAM. Smoke abatement. London, 1905. 256 pp.

A standard technical treatise.

RANDALL, D. T., and WEEKS, H. W. The smokeless combustion of coal in boiler furnaces, with a chapter on central heating plants. Washington, 1912. 188 pp. (United States Bureau of Mines. Bulletin 40.)

University of Pittsburgh. Mellon Institute of Industrial Research and School of Specific Industries. Bulletins. Pittsburgh, 1912–.

No. 1. Outline of smoke investigation. 1912. 16 pp.

No. 2. Bibliography of smoke and smoke prevention, compiled by E. H. McClelland. 1913. 164 pp.

No. 3. Psychological aspects of the problem of atmospheric smoke pollution, by J. E. W. Wallin. 1913. 46 pp.
No. 4. The economic cost of the smoke nuisance to Pittsburgh, by J. J. O'Connor. 1913. 46 pp.
No. 5. The meteorological aspect of the smoke problem, by H. H. Kimball. 1913. 51 pp.
No. 6. Papers on the effect of smoke on building materials, edited by R. C. Benner. 1913. 58 pp.
No. 7. The effect of the soot in smoke on vegetation, by J. F. Clevenger. 1913. 26 pp.
No. 8. Some engineering phases of Pittsburgh's smoke problem, by A. A. Straub. 1914. 193 pp.
No. 9. Papers on the influence of smoke on health, edited by Oskar Klotz and W. C. White. 1914. 173 pp.

4. Investigations of the Smoke Nuisance in Various American Citites

Boston. Chamber of Commerce. Report on smoke abatement. Boston, 1910. 11 pp.

Chicago.

City Council. Committee on Local Transportation. The electrification of railway terminals as a cure for the locomotive smoke evil in Chicago. Chicago, 1908. 353 pp.

Department of Smoke Inspection. Bulletins and Reports. Chicago, 1908–. Issued irregularly.

New York City. Department of Health. The smoke problem in New York. Monthly Bulletin, iii, pp. 79–108 (April, 1913).

Pittsburgh. University of Pittsburgh. Mellon Institute of Industrial Research and School of Specific Industries. Bulletins. Pittsburgh, 1912–.

See above, pp. 296–297.

Rochester, N. Y. Chamber of Commerce. The abatement of smoke. Rochester, 1911. 16 pp.

St. Louis. Civic League. The smoke nuisance. St. Louis, 1906. 36 pp. (Report of Smoke Abatement Committee.)

Salt Lake City, Utah. Commercial Club. Report of the special committee to investigate the causes of the smoke nuisance in Salt Lake City. Salt Lake City, 1914. 3 pp. (typewritten).

Syracuse, N. Y. Chamber of Commerce. Report on smoke abatement; an impartial investigation of the ways and means of abating smoke. Syracuse, 1907. 42 pp.
Gives results attained in other cities.

SECTION XLVIII. MUNICIPAL BAKERIES

Fabian Society (London). Municipal bakeries. London, 1900. 4 pp. (Tract no. 94.)

GRIFFITH, T. H. A municipal bread supply. London, 1905. 16 pp. (Publication of the Independent Labour Party.)

MOWRY, D. E. State inspection of bakeries in Wisconsin. Survey, xxiii, pp. 200–204 (November 6, 1909).

TENERELLI, F. G. La municipalisation du pain; étude sur les boulangeries communales de Catane et de Palerme. Rome, 1905. 66 pp.

Municipal ownership of bakeries. Independent, lxvi, pp. 1254–1255 (June 3, 1909).

Municipalization of bakeries in Italy. Review of Reviews, xxxi, p. 743 (June, 1905).

CHAPTER VII

PUBLIC SAFETY

SECTION XLIX. POLICE ADMINISTRATION

1. Lists of References

Fosdick, R. B. European police systems. New York, 1915. 442 pp. (Publication of the Bureau of Social Hygiene.)
Bibliography, pp. 409–420.

Munro, W. B. List of references on police administration. American City, x, pp. 362–364 (April, 1914).

2. General Histories

Costello, A. E. Our police protectors. A history of the New York police from the earliest period to the present time. 3d edition. New York, 1885. 570 pp.
Contains some useful information on early police organization and methods.

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.
Evolution of modern police, pp. 127–136. List of references, p. 125.

Fuld, L. F. Police administration; a critical study of police organizations in the United States and abroad. New York, 1910. 551 pp.
History of police, pp. 16–29. Contains the best short sketch of police history.

Lee, W. L. M. A history of police in England. London, 1901. 416 pp.
A comprehensive history, written in interesting style. Contains a good discussion of the circumstances which led to the establishment of the London metropolitan police system in 1829.

Rey, Alfred, and Féron, Louis. Histoire du corps des gardiens de la paix. Paris, 1896. 735 pp.

Vine, J. R. S. English municipal institutions, their growth and development from 1835–1879, statistically illustrated. London, 1879. 272 pp.
The ancient police organization of English municipalities, pp. 185–195. Gives statistics in regard to police regulations and the number of police in various cities up to 1878.

3. Histories of Police in Individual Cities

Baltimore. Folsom, De Français. Our police; a history of the Baltimore force. Baltimore, 1888. 546 pp.

Birmingham, Ala. Ohlander, Marcus, compiler. History of the Birmingham police department. Birmingham, 1902. 69 pp.

Boston. Savage, E. H. A chronological history of the Boston watch and police, 1831–1865. 2d edition. Boston, 1865. 408 pp.

Chicago. Flinn, J. J., and Wilkie, J. E. History of the Chicago police from the settlement of the community to the present time. Chicago, 1887. 595 pp.

Cincinnati, Ohio. Roe, G. M., editor. Our police; a history of the Cincinnati police force. Cincinnati, 1890.

New York City.

Baker, A. G., and Ware, A. H. Municipal government of the city of New York. New York, 1906. 350 pp.
Ch. xiii (pp. 114–156), The history and organization of the police department of New York City.

Costello, A. E. Our police protectors. New York, 1885. 570 pp.

Philadelphia.

Sprogle, H. O. The Philadelphia police, past and present. Philadelphia, 1887. 671 pp.

University of Pennsylvania. Wharton School of Finance and Economy. The city government of Philadelphia. A study in municipal administration. Philadelphia, 1893. 278 pp. (Wharton School Studies in Politics and Economics, ii, no. 2 (June, 1893).)
Bureau of police, history, pp. 152–159.

Providence, R. I. Mann, Henry, editor. Our police, a history of the Providence police force. Providence, 1889. 519 pp.

Washington, D. C. Young, J. R. The metropolitan police department, Washington, D. C. Official illustrated history. Washington, 1908. 254 pp.

4. Police Organization and Administration: General Discussions

Beard, C. A. American city government. New York, 1912. 420 pp.

Ch. vi (pp. 158–189), Guarding the city against crime and vice. Deals chiefly with New York City.

Bostwick, A. L., compiler. Municipal police departments — their relative size. Municipal Engineering, xlviii, pp. 141–142 (February, 1915).

Cahalane, C. F. Police practice and procedure. New York, 1914. 241 pp.

Eaton, D. B. The government of municipalities. New York, 1899. 526 pp.

Ch. xvi (pp. 415–435), Concerning police administration.

Fairlie, J. A. Municipal administration. New York, 1906. 418 pp.

Organization and duties of municipal police, pp. 136–149.

Fosdick, R. B. European police systems. New York, 1915. 442 pp. (Publication of the Bureau of Social Hygiene.)

An excellent study, well-arranged and readable. Contains bibliography of works on European police.

Fuld, L. F. Police administration. New York, 1910. 551 pp.

Ch. ii (pp. 30–74), Officers of department; ch. iii (pp. 75–111), Selection of patrolmen; ch. iv (pp. 112–153), Duties of policemen; ch. v (pp. 154–241), Special duties. A very interesting discussion of the whole field.

Goodnow, F. J. City government in the United States. New York, 1904. 315 pp.

Ch. ix (pp. 204–247), Police administration. See also the same author's Municipal government, ch. xii (pp. 234–287), Police administration. New York, 1909. 401 pp. Deals generally with police administration in the United States and in Europe.

Hatton, A. R. Digest of city charters. Chicago, 1906. 351 pp.

Police departments, pp. 312–319.

Henderson, C. R., editor. Correction and prevention. 4 vols. New York, 1910. 345 pp. (Russell Sage Foundation publication.)

Vol. ii, Penal and reformatory institutions. Pp. 1–14, The police systems of the United States, by R. Sylvester. Outlines the organization of the police departments in a number of large cities. Gives a general description of methods used.

McAdoo, William. Guarding a great city. New York, 1906. 349 pp.
The experience of New York's police commissioner during the years 1904–1906.

McCaffrey, G. H. The Boston police department. Journal, American Institute of Criminal Law and Criminology, ii, pp. 672–690 (January, 1912).
Gives a brief history of the Boston police department, analyzes certain conditions in the force, and suggests some improvements.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Police in American cities, ii, pp. 700–705. References, p. 705.

Munro, W. B. Principles and methods of municipal administration. New York, 1915.
Ch. vii, Police.

5. State Supervision of Police

Eaton, D. B. The government of municipalities. New York, 1899. 526 pp.
Police supervision, state *vs.* municipal control, pp. 422–435. Gives reasons for state control and compares American and European practice in this respect.

Fairlie, J. A. Municipal administration. New York, 1906. 448 pp.
Relations of state and municipal police, pp. 138–144. Deals chiefly with control exercised over the police by European states.

Fuld, L. F. Police administration. New York, 1910. 551 pp.
State constabulary, pp. 416–425. Opposes state control of urban police but is in favor of a state constabulary for rural districts.

Hatton, A. R. The control of police. Proceedings, National Municipal League, 1909, pp. 157–171.
The best short survey of the question.

The legislation establishing state control over municipal police in Baltimore, Boston, and St. Louis may be conveniently found as follows:

Baltimore. The Baltimore city code. Baltimore, 1906. 1637 pp.
Police commissioners, pp. 448–487.

Boston. Babson, T. M., editor. Statutes relating to the city of Boston. Boston, 1908. 631 pp.
Ch. liii (pp. 231–234), The police commissioner.

St. Louis. ROMBAUER, E. R., editor. The revised code of St. Louis. St. Louis, 1912. 1285 pp.
Police, pp. 168–177.

For state supervision abroad, see R. B. FOSDICK, European police systems. New York, 1915. 442 pp.

6. GENERAL PROBLEMS

Chicago. Civil Service Commission. Final report on the police investigation, September 5, 1911–March 7, 1912. Chicago, 1912. 54 pp.
Gives the results of an investigation as to the enforcement of the laws against vice; also makes recommendations in regard to the improvement of the discipline in the force.

DYSON, VERNE. The policeman and the city's woes. Kansas City, 1909. 62 pp.

EATON, D. B. The government of municipalities. New York, 1899. 526 pp.
Police administration; the nature and duties of policemen, pp. 415–422. Deals chiefly with the problem of keeping politics out of the police department.

FULD, L. P. Police administration. New York, 1910. 551 pp.
Ch. vi (pp. 242–308), Discipline; considers police trials, appeals and physical disability. Ch. ix (pp. 416–464), Police problems; deals with state constabulary, selection of officers and men, and efficient patrolling.

HALE, G. W., editor. Police and prison cyclopaedia. 2d edition. Boston, 1893. 792 pp.
Various articles on police problems.

HOWE, F. C. The city, the hope of democracy. New York, 1906. 319 pp.
Ch. xv (pp. 227–238), The wards of the city. Considers means of preventing crime.

Illinois. General Assembly. Senate. Report on the Chicago police system made by the committee of investigation appointed by the 40th general assembly, special session, 1897–1898. Springfield, 1898. 22 pp.

MCADOO, WILLIAM. Experiences of a police commissioner. Harper's Weekly, 1, pp. 546–548, 582–584, 621–622, 739–741 (April 21 and 28, May 5 and 26, 1906).

McCaffrey, G. H. The police and the administration of justice. Annals of the American Academy of Political and Social Science, lii, pp. 56–60 (March, 1914).

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Police in American cities, ii, pp. 700–705. References, p. 705.

New York City. Bureau of Municipal Research. Business methods of New York City's police department; critical study and constructive suggestions pertaining to administrative and accounting methods of the bureau of repairs and supplies. New York, 1910. 212 pp.

——. [Report of the Lexow Commission.] Report and proceedings of the senate committee appointed to investigate the police department of the city of New York. 5 vols. Albany, 1895.

——. Index to the testimony and proceedings of the Lexow Committee investigation of the police department. New York, 1899. 191 pp.

——. [Report of the Curran Committee.] Report of the special committee of the board of aldermen. New York, 1913. 147 pp.

Piper, A. R. Report of an investigation of the discipline and administration of the police department of the city of Chicago. Chicago, 1904. 49 pp. (City Club of Chicago. Publication no. 1.)

Roosevelt, Theodore. American ideals. New York, 1897. 354 pp.
Administering the New York police force, pp. 160–188.

7. Police Statistics

United States. Bureau of the Census. Police statistics for cities. Washington, 1913. 2 sheets.
Number of employees, officers, sergeants, patrolmen and detectives, amount of appropriations, per capita cost per year, average number of patrolmen per 10,000 inhabitants, area in acres and number of patrolmen to 1,000 acres for nineteen American cities. Statistics are for the last fiscal year only.

For detailed statistics consult the annual reports of the police departments of the various cities. *See below, p. 306.*

8. Police Appointments, Promotions and Pensions

Cahalane, C. F., and others. Police duty; a course of study for policemen everywhere. New York, 1912. 220 pp.
Gives tabulation chiefly of the New York laws which a policeman should know. Compiled from studies prepared for the New York City police school for recruits.

Fuld, L. F. Police administration. New York, 1910. 551 pp.
Ch. x (pp. 465–544), Examinations in New York. Describes methods of conducting the examinations and gives illustrative lists of the questions asked. Pp. 425–453 outline the system usually employed in selecting police officers and men.

Hobbs, J. W. Police examinations and general information; a key and guide to department promotions and state police appointments. Boston, 1911. 172 pp.

McAneny, George. The merit system as an element in the reform of the New York police department. Proceedings, National Civil Service Reform League, 1902, pp. 91–103.
General discussion of the value of civil service examinations.

Massachusetts. Report of the Commission on Pensions. Boston, 1914. 345 pp. (House doc. no. 2450.)

Woods, A. H. Appointments to and promotions in the police force. Proceedings, National Municipal League, 1909, pp. 172–178.
Deals chiefly with present methods of promotion and suggests some improvements.

See also the Bibliography of Civil Service Reform issued by the Woman's Auxiliary of the New York Civil Service Reform League. New York, 1913. 72 pp.

9. Police Equipment and Records

Fuld, L. F. Police administration. New York, 1910. 551 pp.
Ch. vii (pp. 309–368), Equipment and records. Describes the best equipment, the proper method of keeping records, and deals with the bureau of criminal investigation.

United States. Bureau of the Census. Municipal electric fire alarm and police patrol systems. Washington, 1904. 33 pp. (Bulletin 11.)

10. Annual Reports

Boston. Police Commissioner. Eighth annual report. For the year ending November 30, 1914. (Printed as Massachusetts Public Doc. no. 49.) Stephen O'Meara, commissioner.

Chicago. General Superintendent of Police. Report for the year ending December 31, 1914. L. T. Steward, general superintendent.

Cincinnati, Ohio. Police Department. Annual report for the year ending December 31, 1914. (In Annual reports of city departments.) William Copelan, chief of police.

Cleveland. Department of Public Safety. Division of police. Annual report for the year ending December 31, 1913. (In Annual reports of the city departments for 1913.)

New York City. Police Department. Annual report for the year ending December 31, 1914. A. H. Woods, commissioner of police.

Philadelphia. Department of Public Safety. Bureau of Police. Annual report for the year ending December 31, 1913. (In Annual reports, 1913.) G. D. Porter, director of public safety; James Robinson, superintendent of police.

Pittsburgh. Department of Public Safety. Bureau of police. Annual report for the year ending January 31, 1914. (In Annual reports of the executive departments, i, 1913.) J. M. Morin, director of department of public safety; T. H. McQuaide, superintendent of bureau of police.

St. Louis. Board of Police Commissioners. Fifty-second annual report for the year ending April, 1914.

Similar annual reports are issued by almost all American cities of considerable size.

See also, Streets (Regulation of Traffic), Crime and Correction.

SECTION L. MUNICIPAL AND JUVENILE COURTS

1. List of References

HORNBECK, S. K. Juvenile courts. Prepared with the coöperation of the Political Science Department of the University of Wisconsin. Madison, 1908. 41 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 15.)

References, pp. 3–4.

2. General Discussions

American Judicature Society. Bulletins no. 1–4 (January–March, 1914). Chicago, 1914.

I. Suggested causes for dissatisfaction with the administration of justice in metropolitan districts. 30 pp.

II. Courts for smaller cities. 24 pp.

III. Discussion of causes for dissatisfaction with the administration of justice in metropolitan districts. 49 pp.

IV. First draft of an act to establish a model court for a metropolitan district. 149 pp.

BARRETT, R. W., SCOVILLE, SAMUEL, and OLSON, HARRY. A municipal court of Philadelphia. Philadelphia, 1913. (Philadelphia City Club. Bulletin vi, pp. 123–137 (January 2, 1913).)

Addresses pointing out the inadequacy of the magistrates' courts and advocating a municipal court.

BIORKMAN, EDWIN. The New York police court. Century Magazine, lxv, pp. 9–25 (November, 1902).

A description which deals with the people who are tried in the police court and the methods of justice.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

Vol. ii, ch. xvii (pp. 1115–1136), Municipal courts. Deals with laws in regard to the conduct of municipal courts, etc.

FOSTER, S. A. The municipal court of Chicago. 2d edition. Chicago, 1912. 274 pp.

GOODNOW, F. J. City government in the United States. New York, 1906. 315 pp.

The importance of city courts, pp. 212–214. Devoted chiefly to criticism of the present methods of appointing police judges.

HARLEY, HERBERT. The model municipal court. National Municipal Review, iii, pp. 57–67 (January, 1914).

HILL, F. T. Police courts of New York. Century Magazine, lxxxiv, pp. 87–95 (May, 1912).

Describes the methods used in the police courts before and after the passage in 1909 of the law reorganizing the criminal courts.

MCCAFFREY, G. H. The police and the administration of justice. Annals of the American Academy of Political and Social Science, lii, pp. 56–60 (January, 1914).

MCQUILLIN, EUGENE. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.

See index under Municipal courts.

3. THE PROBATION SYSTEM

BALDWIN, R. N. The selection and training of probation and attendance officers. Proceedings, National Conference of Charities and Correction, 1911, pp. 390–400.

Outlines the duties and functions of these officers and the training which they should receive.

BRIDGEWATER, T. R. The origin and progress of the probation system. London, 1909.

FLEXNER, BERNARD, and BALDWIN, R. N. Juvenile courts and probation. New York, 1914. 308 pp.

Discusses the law itself and the principles underlying the court; its organization and procedure; the importance of probation. Selected references, pp. 292–298.

FOLKS, HOMER. The probation system; its value and limitations. Proceedings, Child Conference for Research and Welfare (New York), 1911, pp. 224–232.

JONES, EDITH. Probation in practice. Charities and the Commons, xvii, pp. 980–987 (March 2, 1907).

LATHROP, JULIA C. Development of the probation system in a large city. Charities, xiii, pp. 344–349 (January 7, 1905).

Deals with Chicago.

National Conference of Charities and Correction. Proceedings, 1904.

Pp. 350–357, The mission of the juvenile court, by G. W. Stubbs; pp. 358–369, Theory and practice of juvenile courts, by C. R. Henderson; pp. 367–379, The probation system of the juvenile court of Indianapolis, by Mrs. H. W. Rogers; pp. 568–579 and 629–635, Discussion on boys and juvenile courts.

——. Proceedings, 1911.
Pp. 80–85, Organization and correlation of the probation and parole systems, by A. W. Towne; pp. 85–87, Organization of systems of probation, by C. A. DeCourcy; pp. 88–89, Probation and parole, by A. W. Butler; pp. 89–92, Placing misdemeanants on probation, by J. A. Collins.

4. Juvenile Courts

American Academy of Political and Social Science. Administration of justice in the United States. Annals, xxxvi, no. 1 (July, 1910). Philadelphia, 1910. 253 pp.
Juvenile courts and the treatment of juvenile offenders, pp. 49–84: The juvenile court — its legal aspect, by B. Flexner; Distinctive features of the juvenile court, by H. H. Hart; Functions of the juvenile court, by W. H. Lacey; The responsibility of parenthood, by R. J. Wilkins; Juvenile courts and probation in Philadelphia, by W. H. Staake; Causes of delinquency among girls, by Mrs. M. P. Falconer; Private hearings, their advantages and disadvantages, by H. H. Baker.

André, Léonce. La lutte contre la criminalité juvenile; étude critique et de législation comparée sur la minorité pénale. Paris, 1912. 440 pp.
The best and most thorough comparative study.

Bates, H. P. Digest of statutes relating to juvenile courts and probation systems. Charities, xiii, pp. 329–337 (January 7, 1905).

Bjorkman, F. M. Children's court in American city life. Review of Reviews, xxxiii, pp. 305–311 (March, 1906).
Describes the methods of the juvenile court of Denver and compares it with courts in a few other cities.

Breckinridge, Sophonisba P., and Abbott, Edith. The delinquent child and the home. Chicago, 1912. 355 pp.
A study of the work of the juvenile court in Chicago.

Chicago. School of Civics and Philanthropy. Department of Social Investigations. The child in the city. Chicago, 1912. 502 pp.
The law and the child, pp. 315–370. Has articles on: The juvenile court; The municipal court and the child; The Chicago court of domestic relations; The presentation of the case; The delinquent girl and the juvenile court; Probation and institutional care of girls.

Coulter, E. K. The children in the shadow. New York, 1913. 277 pp.
Describes the work of the juvenile court in New York City.

Denver. Juvenile Court. The problem of the children and how the state of Colorado cares for them. Denver, 1904. 222 pp.

ELIOT, T. D. The juvenile court and the community. New York, 1914. 234 pp. (American Social Progress series.)
Presents the record of the juvenile court and draws conclusions as to its success.

FLEXNER, BERNARD. A decade of the juvenile court. Proceedings, National Conference of Charities and Correction, 1910, pp. 105–116.
Considers some of the more important features that should be insisted upon and indicates wherein the work of the court may be amplified. See also the Proceedings for other years.

——. The juvenile court as a social institution. Survey, xxiii, pp. 607–638 (February 5, 1910).
Considers: I, The court; II, The probation office; III, The detention home; IV, The clinic; V, Work with other agencies. A careful study of many phases of the problem of dealing with the child offender.

——, and BALDWIN, R. N. Juvenile courts and probation. New York, 1914. 308 pp.

HART, H. H., editor. Juvenile court laws in the United States summarized. New York, 1910. 150 pp. (Russell Sage Foundation publication.)
Pt. I is a summary of juvenile-court legislation of the United States through 1908, and later revised to cover the legislation of 1909. Pt. II is a topical abstract of the state laws governing the trial and disposition of juvenile offenders, covering legislation in force at the close of 1909. Pt. III contains a juvenile-court law which may serve as a model for other juvenile-court legislation.

HERR, PAUL. Das moderne amerikanische Besserungssystem. Eine Darstellung des Systems zur Besserung jugendlicher Verbrecher in Strafrecht, Strafprogress und Strafvollzug in den Vereinigten Staaten von Amerika. Berlin, 1907. 455 pp.
Literature and statistics, pp. 415–419.

HORNBECK, S. K. Juvenile courts. Madison, 1908. 41 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin, no. 15.)
Contains digest of laws and judicial decisions.

HOTCHKISS, W. E. The juvenile court as it is today. Proceedings, National Conference of Charities and Correction, 1912, pp. 450–459.

Considers some fundamental principles on which the work of a juvenile court is based.

HURLEY, T. D., compiler. Origin of the Illinois juvenile court law; juvenile courts and what they have accomplished. 3d edition. Chicago, 1907. 189 pp.

International Prison Commission. Children's courts in the United States. Their origin, development and results. Washington, 1904. 203 pp. (United States. 58th Congress, 2d session. House Doc. no. 701.)

Contains interesting articles by various writers.

LINDSEY, B. B. The boy and the court. Charities, xiii, pp. 350–357 (January 7, 1905).

Deals with the Colorado law and its administration, especially in the juvenile court of Denver.

——, and O'HIGGINS, H. J. The beast. New York, 1910. 340 pp.

See especially pp. 74–152. Tells Judge Lindsey's experiences in the juvenile court at Denver.

MACK, J. W. The juvenile court. Report, American Bar Association, xxxiv, pp. 449–476 (August, 1909); Harvard Law Review, xxiii, pp. 104–122 (December, 1909).

Considers both the legal and social aspects of the juvenile court.

PERKINS, R. R. Treatment of juvenile delinquents. Rockford, 1906. 77 pp.

Pt. I, The juvenile delinquent in the absence of special legislation; Pt. II, The development of special legislation; Pt. III, The apparatus for the treatment of juvenile delinquents; Pt. IV, Critique of principles, means and methods.

St. Louis. Juvenile Court. A review of the work of the St. Louis juvenile court for the five-year period, April 30, 1908–April 30, 1913. St. Louis, 1914. 89 pp.

STEPHENS, G. A. The juvenile court system of Kansas. Topeka, 1906. 122 pp.

Pt. I, The court and the child: ch. i, General characteristics of the court; ch. ii, Conditions prior to the Kansas court; ch. iii, A year of the court. Pt. II: ch. i, Present law considered· ch. ii, Proposed law presented.

Juvenile courts and probation. Charities, xiii, pp. 323–368 (January 7, 1905).

SECTION LI. CRIME AND CORRECTION

1. Lists of References

Harvard University. Department of Social Ethics. A guide to reading in social ethics and allied subjects. Cambridge, 1910. 265 pp.
Crime and criminals, pp. 109–121.

MacDonald, Arthur. Juvenile crime and reformation, including stigmata of degeneration. Washington, 1908. 339 pp.
Recent literature on child crime, suicide, and stigmata of degeneration, pp. 316–327.

2. General Discussions

Anderson, (Sir) Robert. Criminals and crime; some facts and suggestions. London, 1907. 182 pp.

Bliss, W. D. P., editor. New encyclopedia of social reform. New York, 1908. 1321 pp.
See index under Crime.

Boies, H. M. The science of penology; the defence of society against crime. New York, 1901. 459 pp.

Currier, A. H. The present-day problem of crime. Boston, 1912. 179 pp.
The problem of crime as related to prisons and prison discipline, to administration and criminal law, and to the labors of philanthropists for the prevention of crime and reformation of criminals.

Devon, James. The criminal and the community. New York, 1912. 348 pp.

Ellis, Havelock. The criminal. New York, 1910. 440 pp.

Healy, William. The individual delinquent. Boston, 1915. 830 pp.
An admirable inductive study; the best available.

Henderson, C. R. The cause and cure of crime. Chicago, 1914. 175 pp.

——, editor. Correction and prevention. 4 vols. New York, 1910. (Russell Sage Foundation publication.)

——. Modern prison systems; their organization and regulation in various countries of Europe and America. Washington, 1903. 319 pp. (United States. 57th Congress, 2d session. House doc. no. 452.)

HOWE, F. C. The city, the hope of democracy. New York, 1906. 319 pp.
Ch. xiv (pp. 214–226), The city's wreckage.

MACDONALD, ARTHUR. A study of the criminal, pauper and defective classes. Washington, 1908. 125 pp.
Statement made before the committee on education and labor in the United States Senate, 1907–1908.

OPPENHEIMER, HEINRICH. The rationale of punishment. London, 1913. 327 pp.
The best recent book on the intention of punishment.

QUINTON, R. F. The modern prison curriculum; a general review of our penal system. New York, 1912. 276 pp.

WINES, F. H. Punishment and reformation. A study of the penitentiary system. New York, 1910. 387 pp.
The best general work.

The Modern Criminal Science series, published under the auspices of the American Institute of Criminal Law and Criminology, contains several volumes devoted to the general subject of crime and correction. Boston: Little Brown and Co., 1911–.

3. DISCUSSIONS OF SPECIAL TOPICS

ADAMS, M. E. Causes of juvenile crime. Outlook, lxxxiii, pp. 796–801 (March 9, 1906).

BARROWS, S. J., editor. Prison systems of the United States. Washington, 1900. 157 pp.
Reports prepared for the International Prison Commission.

BENNET, W. S. Immigrants and crime. Annals of the American Academy of Political and Social Science, xxxiv, pp. 117–124 (July, 1909).

BINGHAM, T. A. Foreign criminals in New York. North American Review, clxxxviii, pp. 383–394 (September, 1908).

GRIFFIN, H. F. The policeman and the public safety. Outlook, xcviii, pp. 485–493 (July 1, 1911).

HALL, A. C. Crime in its relation to social progress. New York, 1902. 427 pp.

KENNAN, GEORGE. Criminal government and the private citizen. McClure's Magazine, xxx, pp. 60–71 (November, 1907).

LYDSTON, G. F. Diseases of society: the vice and crime problem. Philadelphia, 1906. 626 pp.

MCCONNELL, R. M. Criminal responsibility and social restraint. New York, 1912. 339 pp.

MACDONALD, ARTHUR. Juvenile crime and reformation, including stigmata of degeneration. Washington, 1908. 339 pp.

MERCIER, C. A. Criminal responsibility. Oxford (England), 1905. 232 pp

MÜNSTERBERG, HUGO. On the witness stand; essays on psychology and crime. New York, 1912. 269 pp.

PARSONS, P. A. Responsibility for crime; an investigation of the nature and causes of crime, and a means of its prevention. New York, 1909. 194 pp.

TARDE, GABRIEL. Penal philosophy. Boston, 1912. 581 pp.
A volume in the Modern Criminal Science series (see above, p. 313).

WEIR, H. C. The menace of the police. World To-Day, xviii, pp. 52–59, 171–178, 308–313, 599–606 (January–March, and June, 1910); xix, pp. 839–845 (August, 1910).

WOODS, A. H. The control of crime. Journal of Criminal Law and Criminology, iv, pp. 687–697 (January, 1914).

4. STATISTICS OF CRIME AND CORRECTION

ROBINSON, L. N. History and organization of criminal statistics in the United States. Boston, 1911. 104 pp.

United States. Bureau of the Census. Special reports. Prisoners and juvenile delinquents in institutions, 1904. Washington, 1907. 295 pp.

——. ——. Prisoners and juvenile delinquents, 1910. Washington, 1913. 130 pp. (Bulletin 121.)

See also Municipal and Juvenile Courts, Police Administration.

SECTION LII. THE LIQUOR PROBLEM

1. LISTS OF REFERENCES

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
The liquor problem in cities, pp. 125–126.

EDWARDS, R. H., editor. The liquor problem. Madison, 1908. 30 pp.
No. 1, of a series of classified bibliographies prepared by students of the Wisconsin Library School.

Harvard University. Department of Social Ethics. Guide to reading in social ethics and allied subjects. Cambridge, 1910. 265 pp.
The liquor problem, pp. 65, 122–131.

WARNER, H. S. Social welfare and the liquor problem; studies in the sources of the problem and how they relate to its solution. Revised edition. Chicago, 1913. 298 pp.
References and authorities at the end of each chapter.

2. GENERAL DISCUSSIONS

American Academy of Political and Social Science. Regulation of the liquor traffic. Annals, xxxii, pp. 470–642 (May, 1908).

BARKER, J. M. The saloon problem and social reform. Boston, 1905. 212 pp.

BRAMHALL, F. D. Some political phases of the liquor problem in Chicago. Proceedings, National Municipal League, 1910, pp. 423–438.
Describes the organization and activities of the two parties taking opposite sides on the liquor question.

Committee of Fifty. Series of investigations. 6 vols. Boston.
I. Wines, F. H., and Koren, John. The liquor problem in its legislative aspects. Boston, 1898. 425 pp.
II. Koren, John, editor. Economic aspects of the liquor problem. Boston, 1899. 327 pp.
III. Calkins, Raymond. Substitutes for the saloon. Boston, 1901. 397 pp.
IV–V. Billings, J. S., editor. Physiological aspects of the liquor problem. 2 vols. Boston, 1903.
VI. Peabody, F. G. The liquor problem: a summary of investigations conducted by the Committee of Fifty. Boston, 1905. 82 pp.

HATTON, A. R. The liquor traffic and city government. Proceedings, National Municipal League, 1908, pp. 421–443.
See also discussions, pp. 49–72. A good examination of the political power of the saloon and of the various methods that have been used to lessen or abolish this power.

HATTON, A. R. The liquor situation in Ohio. *Ibid.*, 1910, pp. 395–422.
Deals largely with the Ohio laws for the suppression of the liquor traffic.

JOYCE, H. C. The law relating to intoxicating liquors. Albany, 1910. 840 pp.

KOREN, JOHN. The status of liquor-license legislation. National Municipal Review, ii, pp. 629–638 (October, 1913).
Outlines the legislation in the various states.

——. Some aspects of the liquor problem. *Ibid.*, iii, pp. 505–516 (July, 1914).

Massachusetts. Board of Trustees of the State Hospital at Foxborough, Mass. Special report. Drunkenness in Massachusetts, conditions and remedies. Boston, 1910. 70 pp.

——. General Court. Report of the commission to investigate drunkenness in Massachusetts. Boston, 1914. 42 pp. (House Doc. no. 2053.)

ROWNTREE, JOSEPH, and SHERWELL, ARTHUR. The temperance problem and social reform. 9th edition. London, 1901. 777 pp.

United States Brewers' Association. Year books. First, 1908. New York. Published annually.

WARNER, H. S. Social welfare and the liquor problem; studies in the sources of the problem and how they relate to its solution. Chicago, 1913. 298 pp.
References and authorities at the end of each chapter.

WOOLLEN, W. W., and THORNTON, W. W. Intoxicating liquors. The law relating to the traffic in intoxicating liquors and drunkenness. 2 vols. Cincinnati, 1910.
Treats of the traffic in and control of the manufacture and sale of intoxicating liquors, and also of all questions to which they have any relation.

3. LOCAL OPTION POLICY

MACNAGHTEN, R. E. Local option and after. North American Review, cxc, pp. 628–641 (November, 1909).
Endeavors to show that the true solution of the temperance question lies in local option combined with a licensing system of disinterested management.

NICHOLSON, S. E. Local option movement. Annals of the American Academy of Political and Social Science, xxxii, pp. 471–475 (November, 1908).

Outlines the development of the local-option movement in the United States.

O'REILLY, J. F. Growth of prohibition and local option. Independent, lxiii, pp. 564–567 (September 5, 1907).

A review of the prohibition movement from the brewer's standpoint.

See also American Prohibition Year Book (issued annually). Chicago, 1901–.

4. FOREIGN EXPERIENCE

BURNS, DAWSON. Local option. London, 1909. 132 pp.

KOREN, JOHN. The international committee for the scientific study of the alcohol question. National Municipal Review, ii, pp. 275–279 (April, 1913).

Outlines the general program adopted by the committee at its first meeting, January 27–29, 1913.

PEASE, E. R. The case for municipal drink trade. London, 1904. 166 pp.

An argument for municipal control of the liquor traffic.

PRATT, E. A. The licensed trade; an independent survey. London, 1908. 388 pp.

Largely a plea for the liquor trade interests in Great Britain.

——. Licensing and temperance in Sweden, Norway and Denmark. New York, 1907. 117 pp.

Deals largely with the Gothenburg system.

ROWNTREE, JOSEPH, and SHERWELL, ARTHUR. British Gothenburg experiments and public-house trusts. 3d edition. London, 1903. 176 pp.

A study of the efforts in England, Scotland, and Ireland to withdraw the liquor trade from private hands through the "Gothenburg" principle of public management.

——. Public control of the liquor traffic. Being a review of the Scandinavian experiments in the light of recent experience. London, 1903. 296 pp.

WEBB, SIDNEY, and BEATRICE. The history of liquor licensing in England principally from 1700 to 1830. New York, 1903. 162 pp.

5. Official Reports

Much useful information may be found in such official publications as the Annual Reports of the Excise Commission of New York State, the Excise Commission of Ohio, the Licensing Board of Boston, the United States Commission of Internal Revenue, etc.

SECTION LIII. THE SOCIAL EVIL

1. Lists of References

American Vigilance Society (New York City). Selected list of books on the social evil. New York, 1913. 1 leaf.

Potter, Z. L., compiler. The social survey: a bibliography. New York, 1913. 8 pp. (Russell Sage Foundation. Bulletin no. 2 (December, 1913).)

Seligman, E. R. A. The social evil; with special reference to conditions existing in the city of New York. A report prepared under the direction of the Committee of Fifteen. New York, 1912. 303 pp.
Bibliography, pp. 261–290.

2. General Discussions

Addams, Jane. A new conscience and an ancient evil. New York, 1913. 219 pp.
Deals particularly with vice in Chicago.

Bliss, W. D. P., editor. New encyclopedia of social reform. New York, 1908. 1321 pp.
Prostitution or the social evil, pp. 978–986.

Elliott, A. W. The cause of the social evil and the remedy. Atlanta, 1913. 144 pp.

National Conference of Charities and Correction. Proceedings, 1912. Fort Wayne, 1912. 644 pp.
Pt. ix (pp. 261–307), Sex hygiene. Contains various articles on different phases of the question.

Pollock, H. M., and Morgan, W. S. Modern cities. New York, 1913. 418 pp.
Ch. xv (pp. 313–347), The social evil.

SUMNER, W. T. Child protection and the social evil. Proceedings, National Education Association, 1911, pp. 1110–1116.

TAYLOR, GRAHAM. Police efficiency the first effect of vice inquiries. Survey, xxviii, pp. 136–141 (April 20, 1912).
Considers the effect of vice investigation in various cities on the efficiency of the police department.

3. INVESTIGATIONS IN AMERICAN CITIES

Boston. Police Department. A record of the enforcement of the laws against sexual immorality since December 1, 1907, as contained in the information relating thereto embodied in the reports to the governor of Massachusetts made annually by the police commissioner for the city of Boston. Boston, 1910. 37 pp..

Chicago.

GREER, J. H. The social evil; its cause, effect, and cure. Chicago, 1909. 64 pp.

Vice Commission. The social evil in Chicago; a study of existing conditions with recommendations by the vice commission of Chicago. Chicago, 1911. 399 pp.
The report takes up existing conditions, social evil and the saloon, social evil and the police, sources of supply, social evil and crime, child protection and education, rescue and reform, literature and methods, medical questions, and law and legislation.

Grand Rapids, Mich. Public Welfare Commission. Report on the social evil. Grand Rapids, 1913. 39 pp.

Lancaster, Pa. American Social Hygiene Association. A report on vice conditions in the city of Lancaster, Pa. Lancaster, 1913. 95 pp.
An investigation of existing conditions with recommendations as to the course to be followed to bring about improvements.

Little Rock, Ark. Vice Commission. Report of the Little Rock Vice Commission, May 20, 1913, and the order of Mayor Charles E. Taylor to close all resorts in Little Rock by August 25, 1913. Little Rock, 1913. 29 pp.
Report prepared by Rev. H. W. Smith, secretary. Includes Report of the Little Rock colored vice commission, J. A. Booker, chairman.

Minneapolis, Minn. Vice Commission. Report of the vice commission of Minneapolis to his honor, James C. Haynes, mayor. Minneapolis, 1911. 134 pp.

Considers conditions in Minneapolis, and discusses various methods of dealing with the problem as tried by other cities.

New York City.

Bureau of Social Hygiene. Commercialized prostitution in New York City; by G. J. KNEELAND, with a supplementary chapter by Katherine B. Davis; introduction by J. D. Rockfeller, Jr. New York, 1913. 334 pp.

Aims to set forth as accurately and fully as possible the conditions of vice in New York City in 1912.

Committee of Fourteen. The social evil in New York City; a study of law enforcement by the research committee of the Committee of Fourteen. New York, 1910. 268 pp.

SELIGMAN, E. R. A. The social evil. With special reference to conditions existing in the city of New York. 2d edition. New York, 1912. 303 pp.

A report prepared (in 1902) under the direction of the Committee of Fifteen. Since the first edition of this report was issued, more than a dozen years ago, the subject has come to be more frankly discussed in the light of recent medical knowledge and with a broader understanding of the principles of modern ethics and economics. Pt. III of the present volume contains the new matter, under three chapter headings: The European movement; The white slave traffic in Europe and America; and Ten years' progress in the United States. The appendix includes an address by the author on the sanitary supervision of the social evil, and a bibliography which covers the United States, England, France, Germany and Japan.

Philadelphia. Vice Commission. A report on existing conditions, with recommendations to the Honorable Rudolph Blankenburg, mayor of Philadelphia. Philadelphia, 1913. 166 pp.

Pittsburgh. Moral Efficiency Commission. Report and recommendations. Pittsburgh, 1913. 43 pp.

Portland, Ore. Vice Commission. Report of the commission to the mayor and city council of Portland, January, 1913. 216 pp.

This is the fourth and final report of the commission. The volume includes the first to third reports, which were also published separately.

St. Louis. Board of Police. Report of the Committee of One Hundred on the illegality and inexpediency of segregating commercialized vice in St. Louis. St. Louis, 1914. 32 pp.

Syracuse, N. Y. Moral Survey Committee. The social evil in Syracuse. Report of an investigation of the moral conditions of the city conducted by a committee of eighteen citizens. Syracuse, 1913. 127 pp.

This report is handled by the American Vigilance Association, 156 Fifth Avenue, New York City.

4. Foreign Regulation

Flexner, Abraham. Prostitution in Europe. With an introduction by J. D. Rockefeller, Jr. New York, 1914. 455 pp. (Publication of the Bureau of Social Hygiene.)

Deals with conditions in the larger cities of England, Scotland, France, Italy, Belgium, Switzerland, Holland, Denmark, Norway, Sweden, Germany, and Austria-Hungary.

SECTION LIV. FIRE PREVENTION AND FIRE PROTECTION

1. Lists of References

American School of Correspondence. Cyclopedia of fire prevention and insurance. 4 vols. Chicago, 1912.

Bibliography at the beginning of each volume.

Handy, D. N. A selected list of references to recent publications of interest on fire insurance and related subjects. Special Libraries, iii, pp. 186–188 (November, 1912).

Kansas City, Mo. Public Library. Municipal betterment bibliography. Quarterly, viii, pp. 21–71 (April, 1908).

Fire protection, pp. 35–36.

National Fire Protection Association. Publications on the subjects of fire prevention and fire protection available in the files; and index to subjects covered in the printed records. Boston, 1913. 70 pp.

United States. Library of Congress. Division of Bibliography. Select list of references on fire prevention. Washington, 1913. 19 pp. (typewritten).

Printed in Special Libraries, iv, pp. 28–39 (February, 1913).

2. General Works

American School of Correspondence. Cyclopedia of fire prevention and insurance. 4 vols. Chicago, 1912.

This work covers the cause, prevention and handling of fires, the theory and practice of fire insurance, the protection and inspection of risks, the adjustment of leases and the business operations involved. The sections on fire prevention make a careful study of all modern public and private fire-fighting appliances, and give particular attention to the possibilities and limitations of fire-resisting building construction. The sections on fire insurance cover both the big general principles underlying the insurance business and their practical application to current insurance problems. All matters of inspection, hazards, risks, ratings, and schedules are exhaustively treated. The authors have considered the simplest, most efficient methods of applying the fundamental principles of insurance practice to each problem that may arise in the day's work, showing the different ways in which it may occur, and explaining in detail and by diagram how it can best be handled. There is a bibliography at the beginning of each volume.

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.

Ch. xxii (pp. 175–181), Fire protection. A brief introductory survey.

Braidwood, J. S. Fire; its prevention and extinguishing; containing a description of the most reliable apparatus for both purposes. 2d edition. London, 1913. 172 pp.

Civil Service Chronicle. Fire prevention inspection. New York, 1912. 45 pp.

A handbook giving instruction for all inspectorial and executive positions in the fire prevention bureau of New York City.

Croker, E. F. Fire prevention. New York, 1912. 354 pp.

Written by a former head of the New York fire department, it discusses every branch of the subject in a very practical way. It contains the following chapters: ch. i, Prevention of fire in the dwelling and small town; ch. ii, Further measures for protection in the house — the department of a small town; ch. iii, The department of a small town (cont.); ch. iv, The protection of factories, loft buildings and other large structures; ch. v, Protection of life in large buildings; ch. vi, Further measures for protecting life; ch. vii, Sprinklers and sprinkler systems; ch. viii, Other alarm devices in buildings; ch. ix, The fire department of a large city; ch. x, The fire department of a large city (cont.); ch. xi, The development of the New York fire department and some of its defects; ch. xii, The nature and value of high pressure; ch. xiii, The modern fire-boat: its nature and use; ch. xiv, High buildings and steel construction; ch. xv, Fire prevention bureaus and fire marshals; ch. xvi, Incendiarism and arson; ch. xvii, Law-making and fire preventive work along legal and other lines.

FREITAG, J. K. Fire prevention and fire protection as applied to building construction; a handbook of theory and practice. New York, 1912. 1038 pp.

A reference work containing detailed material on modern methods of preventing and resisting fire losses.

MCKEON, P. J. Fire prevention. New York, 1912. 249 pp.

A text-book designed for candidates at civil service examinations. Contains much information on everyday duties of inspectors, firemen, and other officials of fire departments.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Fire protection, ii, pp. 18–20.

National Fire Prevention Convention. Official record of the first convention, held at Philadelphia, October 13–18, 1913. Compiled by POWELL EVANS. Philadelphia, 1914. 541 pp.

Contains many short papers covering various phases of the subject of fire prevention.

National Fire Protection Association. Field practice. The inspection manual of the National Fire Protection Association, designed for the use of property owners, fire departments and inspection offices in safeguarding life and property against fire. Boston, 1914. 200 pp.

A complete manual covering common fire hazards and their safeguarding, and fire protection and upkeep of equipments.

3. STATISTICS OF FIRE PREVENTION, FIRE PROTECTION, AND FIRE LOSSES

EVANS, POWELL. A five years' fight against fire waste in the United States, 1908–1912, inclusive. Philadelphia, 1912. 180 pp.

A series of addresses discussing fire waste and methods of prevention. The most informing short discussion of the subject.

FISHER, W. L. The fire waste. Boston, 1911. 6 pp.

An address before the National Fire Protection Association, containing data concerning the annual fire losses of the country.

NAGEL, M. J. Brandkatastrophen und Brandschäden in den Vereinigten Staaten, deren Ursachen und Wirkungen. Eine wirtschaftliche Studie. Hanover, 1912. 56 pp.

The present situation in the United States as viewed by a foreign student of fire-prevention methods.

National Board of Fire Underwriters. A convincing analysis of the appalling fire waste of the United States. American Underwriter, xxx, pp. 73–77 (November, 1908).

United States. Bureau of the Census. Statistics of cities of over 30,000 population. Washington. Issued annually since 1905.

This publication contains statistics of municipal expenditures for fire protection, figures relating to apparatus, etc.

WILSON, H. M., and COCHRANE, J. L. The fire tax and waste of structural materials in the United States. Washington, 1910. 30 pp. (United States Geological Survey. Bulletin no. 418.)

Issued also as United States, 61st Congress, 2d session, House doc. no. 368.

Fire departments of the United States. Municipal Journal and Engineer, xxxi, pp. 359–376 (September 20, 1911); xxxiii, pp. 474–496 (October 3, 1912); xxxv, pp. 277–294 (August 28, 1913).

Gives data concerning organization and apparatus in cities of the United States as furnished by fire chiefs.

4. GREAT FIRES IN AMERICAN CITIES: DESCRIPTIVE ACCOUNTS

General.

FOWLER, W. W. Fighting fire. The great fires of history, including the conflagrations in Chicago, Boston, Portland, New York, etc. Hartford, 1873. 716 pp.

HALE, G. C. History of the world's greatest fires. Kansas City, 1905. 141 pp.

Baltimore. National Fire Protection Association. The Baltimore conflagration. Report on fire-restrictive construction. 2d edition. Chicago, 1904. 130 pp.

Boston. Report of the commissioners appointed to investigate the cause and management of the great fire in Boston. Boston, 1873. 662 pp.

Chicago. SHEAHAN, J. W., and UPTON, G. P. The great conflagration, Chicago; its past, present, and future. Chicago, 1871. 458 pp.

San Francisco. REED, S. A. The San Francisco conflagration of April, 1906. Special report to the National Board of Fire Underwriters. Committee of Twenty. New York, 1906. 28 pp.

5. FIRE PREVENTION BY BUILDING REGULATIONS AND BY POPULAR EDUCATION

Boston. Manufacturers' Mutual Fire Insurance Company. Slow-burning, or mill, construction. 3d edition. Boston, 1908. 28 pp. (Report no. 5.)

COOK, G. M. Fireproof building construction. Applied Science, viii, pp. 11–21 (May, 1913).

Discusses reinforced concrete construction and fireproof steel, also the different materials for construction and protection.

CROKER, E. F. Fire prevention. New York, 1912. 354 pp.

High buildings and steel construction, pp. 250–272. Outlines the problems of fighting fire in high buildings and suggests means of protection and fire prevention.

——. Practical fire prevention. Engineering Magazine, xliii, pp. 373–377 (June, 1912).

Deals with the need of inspection and of discipline in case of fire and considers the usefulness of automatic fire-extinguishing devices.

CROSBY, E. U. Fire prevention. Annals of the American Academy of Political and Social Science, xxvi, pp. 404–418 (September, 1905).

Outlines various fire hazards and suggests means of lessening them.

——. The Crosby-Fiske handbook of fire protection. 5th edition. Louisville, 1914. 563 pp.

A comprehensive manual of fireproof construction and other fire-prevention methods.

FITZPATRICK, F. W. Building code; a compilation of building regulations covering every phase of municipal building activity with special emphasis on fire preventive features. Chicago, 1913. 128 pp. (Publication of the American School of Correspondence.)

——, and CONDRON, T. L. Fireproof construction: an authoritative presentation of the fire prevention problem, giving the historical development of the art of safe building, and the best modern practice in fireproof and fire-resisting construction. New York, 1914. 205 pp.

FORSTER, H. W. The fireproof building; its advantages and its weaknesses. Proceedings, Engineers' Society of Western Pennsylvania, xxix, pp. 134–144 (April, 1913).

Discusses the many-storied type of the office, warehouse or factory containing combustible material.

FREITAG, J. K. Fire prevention and fire protection as applied to building construction. New York, 1912. 1038 pp.

A valuable reference book.

HUMPHREY, R. L. The fire-resistive properties of various building materials. Washington, 1909. 99 pp. (United States Geological Survey. Bulletin no. 370.)

Issued also as United States, 60th Congress, 2d session, House doc. no. 1389. A technical discussion, containing a two-page bibliography.

MARTIN, F. E., and DAVIS, G. M. Firebrands. New York, 1913. 219 pp.

Designed to teach people (especially school children) how to avoid causing fires and how to deal with incipient fires.

National Board of Fire Underwriters. Building code recommended by the National Board of Fire Underwriters. 4th edition. New York, 1915.

A compilation of about three hundred pages. By all means the most useful thing of its kind.

—— and National Fire Protection Association. Code of suggested ordinances for small municipalities. Boston, 1913. 24 pp.

National Fire Protection Association. A syllabus for public instruction in fire prevention. Boston, 1912. 7 pp.

See also, on the same general subject, American City, vi, pp. 595–598 (March, 1908). Gives outline of regulations which would lessen danger from fires.

——. Specifications for construction of a standard building. Report of committee on fire-restrictive construction, reprinted with amendments from Proceedings of annual meeting. Boston, 1913. 12 pp.

New York City. Fire Prevention Bureau. Fire prevention lessons for use in the schools of New York City. Prepared under the direction of Fire Commissioner ROBERT ADAMSON. New York City, 1914–1915. 30 pp.

RANDALL, C. A. Some common-sense methods of reducing fire losses. American City, vi, pp. 429–431 (January, 1912).
Outlines some regulations, especially for small towns, which would lessen the fire loss.

WILSON, H. M., and others. Fire-resistant construction of buildings. Proceedings, American Society of Civil Engineers, xxv, pp. 953–972 (September, 1909).

See also Building Laws and Regulations.

6. FIRE PREVENTION IN SPECIAL STRUCTURES: THEATRES, SCHOOLS, STORES, FACTORIES, ETC.

Department Stores.

TENNEY, W. P. Department stores. Boston, 1912. 8 pp. (Underwriters' Bureau of New England. Report no. 133.)

Factories.

CROKER, E. F. Fire prevention. New York, 1912. 354 pp.
Ch. iv (pp. 69–83), The protection of factories, loft buildings, and other large structures. Advocates the organization of private fire departments as well as better construction of buildings.

FREITAG, J. K. Fire prevention and fire protection as applied to building construction. New York, 1912. 1038 pp.
Ch. xxv (pp. 791–813), Fire prevention in factories. Pp. 1002–1006, fire drills in factories. Discusses proper methods of construction to prevent fire and the means of preventing loss of life in case of fire.

GRISWOLD, F. M. Fire prevention and fire protection for manufacturing plants. New York (Home Insurance Company), 1911. 24 pp.
Considers use of automatic sprinklers, etc., and emphasizes need of cleanliness.

MCFARLANE, F. E. Fire and the skyscraper. McClure's Magazine, xxxvii, pp. 467–482 (September, 1911).
The problem of protecting workers in the tower factories of New York City.

WENTWORTH, F. H. Factories and their fire protection. Architectural Record, xxvii, pp. 218–226 (March, 1910).
Considers some of the fundamental principles of fire-resisting factory construction.

Fire protection for factory workers. Industrial Engineering, xiii, pp. 411–417 (October, 1913).
Discusses why lives are lost in factory fires and how such loss can be avoided.

Factories (continued).

The prevention of factory fires. Survey, xxvi, pp. 81–87 (April 8, 1911).

Public Institutions.

FREITAG, J. K. Fire prevention and fire protection as applied to building construction. New York, 1912. 1038 pp.

Ch. xxii (pp. 740–756), Prevention of fire in schools. Pp. 1006–1010, fire drills in schools. Deals with the proper construction and planning of school buildings.

Russell Sage Foundation. Division of Education. Fire protection in public schools. New York, 1913. 16 pp.

Tenements.

FREITAG, J. K. Fire prevention and fire protection as applied to building construction. New York, 1912. 1038 pp.

Ch. xxiv (pp. 757–790), Fire prevention in residences.

Theatres.

FREEMAN, J. R. On the safeguarding of life in theatres; being a study from the standpoint of an engineer. New York, 1906. 106 pp. (Reprinted from Transactions, American Society of Mechanical Engineers, xxvii, pp. 71–170 (1906).)

An excellent discussion of the subject. Considers the planning and construction of theatres and various safety devices.

FREITAG, J. K. Fire prevention and fire protection as applied to building construction. New York, 1912. 1038 pp.

Ch. xxii (pp. 697–739), Fire prevention in theatres. Pp. 1014–1017, fire drills in theatres. A good discussion of the best methods of theatre construction to prevent fire and allow easy egress; also discusses various types of fire curtains; gives plans of model theatre.

GERHARD, W. P. Theatre fires and panics: their causes and prevention. New York, 1896. 175 pp.

An earlier but interesting discussion. Literature on theatres, pp. 165–175.

——. Theatres. Their safety from fire and panic, their comfort and healthfulness. Boston, 1900. 110 pp.

Pt. I, pp. 1–54, Safety from fire and panic. Considers means of escape in case of fire, means for localizing a fire on the stage, means for saving life, etc.

RUBLEE, W. A. Guarding against fires in theatres. United States Bureau of Manufactures, Monthly Consular and Trade Reports, no. 304, pp. 204–205 (January, 1906).

Theatres (continued).

SACHS, E. O. Modern opera houses and theatres. 3 vols. London, 1896–1898.

Vol. iii, supplement II (pp. 85–140), Theatre fires. Contains a record of 1100 fires from 1797–1897, a list of fires arranged according to locality, and an analysis of fires.

Warehouses.

READ, A. M. Warehouse fires, their causes and prevention. New York, [1901]. 14 pp.

Reprint of a paper read before the American Warehousemen's Association at its tenth annual convention, St. Louis, October 18, 1900.

7. FIRE DRILLS

FREITAG, J. K. Fire prevention and fire protection as applied to building construction. New York, 1912. 1038 pp.

Ch. xxxvii (pp. 1000–1017), Fire drills. Outlines best methods of organization of fire drills in factories, schools, department stores, and theatres.

National Fire Protection Association. Suggestions for the organization and execution of exit drills in factories, schools, department stores, and theatres. Boston, 1912. 15 pp.

8. THE REGULATION OF EXPLOSIVE SUBSTANCES

National Board of Fire Underwriters. Suggested ordinance to regulate the manufacture, keeping, storage, sale, use and transportation of explosives (for cities whose population is over 100,000). New York, 1912. 31 pp.

——. *Ibid.* (for villages and cities whose population does not exceed 100,000). New York, 1913. 18 pp.

National Fire Protection Association. Suggested ordinance regulating the use, handling, storage and sale of inflammable liquids and the products thereof. Boston, 1913. 20 pp.

New York City. Fire Department. Laws, ordinances and regulations governing the manufacture, storage, sale and use of explosives and combustible materials. New York, 1909. 221 pp.

9. Incendiarism and Its Prevention

Croker, E. F. Fire prevention. New York, 1912. 354 pp.
Ch. xvi (pp. 292–309), Incendiarism and arson. Considers the dangers arising from pyromania and incendiarism for gain.

Johnson, Joseph. Report on incendiarism in New York City. New York, 1913. 158 pp.
A report by the fire commissioner of the metropolis containing an estimate of losses due to incendiarism, with suggested remedies.

10. The Organization of a City's Fire Protection Service

Baker, A. G., and Ware, A. H. Municipal government of the city of New York. New York, 1906. 350 pp.
The organization and present working of the New York fire department, pp. 160–167.

Croker, E. F. Fire prevention. New York, 1912. 354 pp.
Ch. ix, x (pp. 149–200), The fire department of a large city. Deals chiefly with the organization of the men and their duties, and with the proper equipment for fire fighting.

Heydecker, W. D. The two-platoon system in the fire department. American City, x, pp. 346–349 (April, 1914).

Johnson, Joseph. The modernization of the New York fire department. American City, v, pp. 154–158 (September, 1911).
Deals chiefly with the organization of a fire-prevention bureau and with the motorization of the fire department apparatus.

New York City. Fire Department. Rules and regulations of the uniformed force of the fire department of the city of New York. New York, 1912. 144 pp.

O'Reilly, J. J. How to become a fireman. 5th edition. New York, 1912. 274 pp.
A manual on the duties of firemen.

11. Fire-Fighting Apparatus and Equipment

(*a*) *Fire alarm systems*

Babcock, G. R. The fire alarm of today. Pacific Municipalities, xxvi, pp. 108–115 (March, 1912).

CROKER, E. F. Fire prevention. New York, 1912. 354 pp.
Ch. viii (pp. 133–148), Alarm devices in buildings. Describes some automatic alarms and other devices for the protection of buildings.

LOWRY, L. E. The development of the electric fire alarm system. American City, v, pp. 88–91 (August, 1911).
A brief description of earlier alarm systems and of the most advanced ones in use at present.

United States. Bureau of the Census. Municipal electric fire alarm and police patrol systems. Washington, 1904. 33 pp. (Bulletin no. 11.)

(*b*) *Hydrants and sprinkler systems*

BAILEY, G. I. The care of fire hydrants in winter. Journal, New England Waterworks Association, xiv, pp. 116–123 (1899).
Synopsis in Engineering Record, xl, pp. 397–388 (September 23, 1899). Deals particularly with methods used to prevent the freezing of hydrants.

CROKER, E. F. Fire prevention. New York, 1912. 354 pp.
Ch. vii (pp. 109–132), Sprinklers and sprinkler systems. Emphasizes the desirability of automatic sprinklers with alarm attachments and describes a few types.

DANA, GORHAM. Automatic sprinkler protection. Boston, 1914. 407 pp.

FREITAG, J. K. Fire prevention and fire protection as applied to building construction. New York, 1912. 1038 pp.
Ch. xxx (pp. 863–907), Sprinkler systems; ch. xxxi (pp. 908–921), Automatic fire alarms, and sprinkler alarm and supervisory systems. Describes the operation of various types of sprinkler and automatic-alarm systems.

FRENCH, E. V. Desirable pressure at hydrants. Journal, New England Waterworks Association, xxv, pp. 247–277 (1911).
Synopsis in Municipal Journal, xxxi, pp. 498–500 (October 18, 1911). Considers the amount of pressure needed, location of hydrant, etc.

(*c*) *Pumps and engines, including motor apparatus*

National Board of Fire Underwriters. Fire engine tests and fire stream tables. New York, 1910. 50 pp.

New York City. Recent motor equipment in the New York fire department. Remarks on the changes in progress in all the fire departments in the United States and the efforts to improve the types of motor fire apparatus. Engineering, xcv, pp. 343–346 (March 14, 1913).

TURNER, F. H., compiler. The story of eighty-five engines. Charlestown (Mass.), 1912. 92 pp.

WADE, H. T. Modern developments in American motor fire apparatus. Engineering Magazine, xlii, pp. 761–783 (February, 1912).

See also Municipal Journal, xxxi, pp. 348–355 (September 20, 1911). Describes some of the most advanced types of fire-fighting apparatus.

The modernization of the German fire service. Engineering, xci, pp. 610–613 (May 12, 1911).

Gives information concerning recent progress in fire service and apparatus in Berlin, Hamburg, and Hanover.

The Underwriters' Laboratories issues and revises semi-annually a List of manufacturers of fire appliances, from whom all latest information about apparatus may be obtained.

(*d*) *Fire boats*

CLANCY, T. A. The protection of water fronts by fire boats. American City, xi, pp. 458–462 (December, 1914).

CROKER, E. F. Fire prevention. New York, 1912. 354 pp.

Ch. xiii (pp. 235–259), The modern fire boat, its nature and use. Outlines the functions of a fire boat and gives general specifications for its construction.

PATTERSON, W. E. Fire boats of American cities. Municipal Journal, xxxv, pp. 263–268 (August 28, 1913).

Describes the fire boats in use at Boston, Chicago, Duluth, New York, San Francisco, and Seattle.

12. HIGH-PRESSURE FIRE SERVICES

(*a*) *In general*

CROKER, E. F. Fire prevention. New York, 1912. 354 pp.

Ch. xii (pp. 216–234), The nature and value of high pressure. Describes particularly the high-pressure system in New York City.

National Fire Protection Association. Report of the committee on high pressure systems for fire service. Boston, 1905. 15 pp.

WADE, H. T. High pressure fire protection. Review of Reviews, xxxviii, pp. 703–713 (December, 1908).
A general discussion of the value and use of high-pressure systems and a description of the systems in New York, Philadelphia, and San Francisco.

(*b*) *In typical cities*

Baltimore. The Baltimore high pressure fire service. Engineering Record, lxvi, pp. 37–38 (July 13, 1912).
See also Engineering News, lxviii, pp. 210–211 (August 1, 1912); and Municipal Journal, xxxiii, pp. 107–110 (July 25, 1912). Describes the system and tests of it made by the National Board of Fire Underwriters.

Boston. National Board of Fire Underwriters. The desirability of a high pressure fire system in the city of Boston. New York, 1911. 8 pp.
A brief analysis of the fire hazard in Boston with recommendations in regard to the installation of a high-pressure system.

Chicago. Report of the commission on high pressure water systems of the city of Chicago. Chicago, 1905. 95 pp.

New York City. MCKEON, P. J. The New York City fire department and the high pressure system. Cassier's Magazine, xxxiii, pp. 503–516 (March, 1908).

San Francisco. San Francisco's high service fire system. Insurance Engineering, xxiv, pp. 129–140 (September, 1912).
Gives plans of the system and describes it.

Washington. High-pressure fire service system. Report relative to installing a high-pressure fire service in the business section of Washington. Washington, 1912. 12 pp. (United States. 62d Congress, 2d session. Senate Doc. no. 437.)

13. FIRE PROTECTION AND WATER SUPPLY

GOLDSMITH, CLARENCE. Reasonable requirements imposed upon water works systems by the fire protection problem. Journal, New England Waterworks Association, xxvi, pp. 305–325 (December, 1912).
Considers supply, delivery to distributing system, etc., as related to fire protection.

HYDE, C. G. The water supply of cities with especial reference to fire protection. San Francisco, 1907. 45 pp.
A paper presented to the Fire Underwriters' Association of the Pacific. Contains useful references to other discussions of the subject, pp. 45–46.

Fire protection and water supply, 1903–1904. New York (Spectator Company), 1905. 490 pp.
An elaborate compilation showing the fire equipment and water supply of the cities and towns of Canada.

14. Serial Publications

National Fire Protection Association. Quarterly. Vol. i, July, 1907. Boston.

Safety Engineering. Vol. i, April, 1901. New York. Monthly.
Until vol. xxv, no. 4 (April, 1913), was called Insurance Engineering.

SECTION LV. BUILDING LAWS AND REGULATIONS

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Building laws, pp. 35–36.

New York City. Public Library. Division of Economics and Sociology. A selected list of references on restriction of the height of buildings. New York, 1913.
A typewritten list.

2. General Discussions

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.
Ch. xxiii (pp. 182–188), Building and plumbing regulations.

Elliott, F. W. The need of state building codes. Effect of municipal regulations. Safety Engineering, xxvi, pp. 141–143 (September, 1913).

Fleming, R. Municipal building laws in the United States. Engineering News, lxx, pp. 9–13 (July 3, 1913).
A brief comparison of the building codes in some of the leading cities of the United States.

Killam, C. W. The relation of a state-wide building code to housing and town planning. Architectural Quarterly of Harvard University, xi, pp. 29–35 (December, 1913).

United States. Department of State. Fire and building regulations in foreign countries. Washington, 1892. 543 pp. (Special Consular Report, vol. viii, 1892.)

VEILLER, LAWRENCE. The essential principles of a building code. Proceedings, National Municipal League, 1909, pp. 196–204.
Deals chiefly with New York's experience with building codes.

3. PRINCIPLES OF BUILDING CONSTRUCTION

ADAMS, HENRY. Building construction; notes on materials, processes, principles and practice. New York, 1907. 568 pp.

BERGH, L. DE COPPET. Safe building construction. New York, 1908. 436 pp.

MITCHELL, C. F., and G. A. Building construction and drawing. A textbook on the principles and details of modern construction. Elementary course. 8th edition. New York, 1911. 472 pp.

——. Building construction. A textbook on the principles and details of modern construction for the use of students and practical men. Advanced course. 7th edition. New York. 949 pp.

PITE, A. B., and others. Building construction. 2 vols. New York, 1910.

4. BUILDING STATISTICS

United States. Department of Commerce and Labor. Bureau of Statistics. Building operations in principal cities. Monthly values of building permits granted by municipal authorities during calendar years.
From Monthly Summary of Commerce and Finance.

5. BUILDING CODES OF AMERICAN CITIES [1]

Baltimore. Building code of Baltimore; being ordinance no. 155 of the mayor and city council of Baltimore. Approved July 6, 1908. Baltimore, 1908. 331, 173 pp.

Boston. The building law of the city of Boston; being chapter 550 of the Acts of 1907 with amendments to date. Boston, 1909. 62 pp.

[1] This list includes about 30 selected cities of all sizes from all parts of the country.

Buffalo. Laws regulating the construction, maintenance, and inspection of buildings. Revised May 1, 1909. Buffalo, 1909. 146 pp.

Chicago. Revised building ordinances of the city of Chicago. Passed December 5, 1910, with amendments and additions up to January 1, 1912. Chicago, 1911. 215 pp.

Cincinnati, Ohio. Building code of the city of Cincinnati, Ohio, as passed May 10, 1909, and including all amendments to July 1, 1914. Cincinnati, 1914. 312 pp.

Cleveland. The building code of the city of Cleveland, Pt. I–V, secs. 173–1120, inclusive, of revised ordinances of 1907. Revised to September, 1909. Cleveland, 1910. 319 pp.

Detroit. Building code. Passed February 14, 1911. Detroit, 1911. 44 pp.

Duluth, Minn. Building ordinances as revised and amended to July 1, 1909. Duluth, 1909. 170 pp.

Elizabeth, N. J. Building code with amendments to August 15, 1908. Elizabeth, 1908. 81 pp.

Evansville, Ind. Building ordinances. Adopted March 23, 1911. Evansville, 1911. 104 pp.

Hoboken, N. J. Building code, 1911. Hoboken, 1911. 52 pp.

Ithaca, N. Y. Building code; rules and regulations governing erection and repair of buildings. Adopted December 18, 1912. Effective February 1, 1913. Ithaca, 1913. 29 pp.

Louisville, Ky. The building code. Adopted 1909. Louisville, 1909. 243 pp.

Milwaukee, Wis. Building ordinance of the city of Milwaukee. Milwaukee, 1914. 208 pp.

Nashville, Tenn. Building laws. Compiled by B. J. Hodge. Nashville, 1909. 234 pp.

Newark, N. J. Building code. Newark, 1911. 270 pp.

New Orleans, La. Ordinance code relating to buildings. New Orleans, 1910. 57 pp. (Written on one side of leaf only.)

New York City. Building and health laws and regulations affecting the city of New York. The building code, the sanitary code, the tenement house law, department rules and

regulations, statute and rules regulating plumbing, garage and blasting regulations, lodging house regulations. Brooklyn, 1912. 96 pp. (Brooklyn Eagle Library no. 121.)

Oakland, Cal. Building laws. 1911. Oakland, 1912. 156 pp.

Ohio. Ohio state building code. Columbus, 1912. 258 pp.

Omaha, Neb. An ordinance regulating the construction of buildings in the city of Omaha. Omaha, 1912. 110 pp.

Philadelphia. Laws and ordinances relating to the bureau of building inspection. Philadelphia, 1907. 187 pp.

Providence, R. I. Providence building laws, traffic and plumbing ordinances. Providence, 1913. 336 pp.

St. Louis. The building code of St. Louis, with amendments to March 10, 1910. St. Louis, 1910. 174 pp.

Salem, Mass. Ordinances relating to construction, alterations, repairs, etc., of building. Salem, 1914. 38 pp. (City of Salem Municipal Bulletin, no. 2 (November 16, 1914).)

Salt Lake City, Utah. Official building inspector's handbook, containing revised building laws, 1909. Salt Lake City, 1909. 47 pp.

San Francisco. The building law and the plumbing law of the city and county of San Francisco, together with the state tenement house law. San Francisco, 1910. 155 pp.

Syracuse, N. Y. Building code of the city of Syracuse, 1909. Syracuse, 1909. 63 pp.

Tacoma, Wash. Official building ordinances, 1909. Tacoma, 1909. 164 pp.

Trenton, N. J. Rules and regulations relating to the erection and alteration of buildings, etc. Revision of 1907. Trenton, 1908. 72 pp.

Utica, N. Y. Building code. Approved August, 1910. Utica, 1910. 69 pp.

Worcester, Mass. Official Worcester building ordinances, also plumbing, sewer, water, and supervision of wire ordinances. Compiled by A. W. HARRIS. Worcester, 1911. 205 pp.

Youngstown, Ohio. Official handbook of building laws, 1912. Youngstown, 1912. 94 pp.

6. Model Building Codes

Fitzpatrick, F. W. Building code; a compilation of building regulations covering every phase of municipal building activity with special emphasis on fire preventive features. Chicago, 1913. 128 pp. (Publication of the American School of Correspondence.)

Massachusetts. Report relative to the construction, alteration and maintenance of buildings. Boston, 1915. 160 pp. (House doc. no. 1750.)

Contains draft of a model state building law.

National Board of Fire Underwriters. Building code recommended by the National Board of Fire Underwriters providing for all matters concerning, affecting or relating to the construction, alteration, equipment, repair or removal of buildings or structures erected or to be erected. 4th edition. New York, 1915. c. 300 pp.

National Fire Protection Association. Specifications for construction of a standard building. Boston, 1913. 13 pp.

Report of committee on fire-resistive construction. Reprinted with amendments from Proceedings of annual meeting, 1913.

7. Organization of City Building Departments

Boston. Finance Commission. A report on the building department of the city of Boston. Boston, 1912. 54 pp.

An investigation of the powers, duties, organization and methods of the building department, with suggested improvements in the department and in the building law.

Chicago. Commission on City Expenditures. Preliminary report on the building department. Chicago, 1910. 23 pp.

An inquiry into the business procedure of the building department as affecting the expenditures thereof.

——. Civil Service Commission. Report on the department of buildings. Chicago, 1912. 59 pp.

An investigation of the powers, duties, organization, and efficiency of the building department.

8. The Limitation of Building Heights

Ackerman, F. L. Building laws and their disastrous influence upon tall buildings. Proceedings, American Institute of Architects, i, pp. 192–195 (May, 1913).

COMEY, A. C. The regulation of the height of fireproof commercial buildings. Proceedings, Fourth National Conference on City Planning, pp. 152–155 (1912).

Briefly outlines some methods of regulation based on various units of height.

Hartford, Conn. City Plan Commission. Cities in the United States which have or have not ordinances limiting the height of buildings. Annual report, 1910–1911, pp. 8–10.

Tabulates the regulations in thirty cities.

Minneapolis, Minn. Civic and Commerce Association. Report of municipal committee on limitation of heights of buildings. Minneapolis, 1914. 31 pp.

New York City. Heights of Buildings Commission. Report to the committee on the height, size and arrangement of buildings of the board of estimate and apportionment, December 23, 1913. New York, 1913. 295 pp.

A very comprehensive report on conditions in New York City, with comparisons between the policies of New York and other cities in the United States and Europe in regard to height regulation.

PURDY, LAWSON. Height of buildings. Transactions, American Society of Civil Engineers, xliv, pp. 449–474 (December, 1900).

A general discussion by members of the society. Deals especially with what considerations should limit the height of buildings, and whether all restrictions should be removed.

SHURTLEFF, FLAVEL, and OLMSTED, F. L. Carrying out the city plan. New York, 1914. 349 pp. (Russell Sage Foundation publication.)

Limitations on the height and size of buildings, pp. 140–150.

SIMPSON, JOHN. Aesthetics and police power. Laws recognizing right of city to control aesthetic appearance of streets. Regulating height of buildings; advertising signs. Municipal Journal and Engineer, xxvii, p. 15 (July 7, 1909).

VEILLER, LAWRENCE. Extension of the police power to regulate the height of buildings. Survey, xxii, pp. 514–516 (July 3, 1909).

Cites some court decisions passing upon the validity of laws restricting the height of buildings.

CHAPTER VIII

EDUCATION AND GENERAL BETTERMENT

SECTION LVI. SCHOOL ADMINISTRATION

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
School systems in cities, pp. 244–246.

Dutton, S. T., and Snedden, David. The administration of public education in the United States. New York, 1913. 614 pp.
References at the end of each chapter.

Gerhard, W. P. A bibliography of school buildings and school hygiene. American Architect, lxxxviii, p. 14–16 (July 8, 1905).

Jones, A. J. The continuation school in the United States. Washington, 1907. 157 pp. (United States Bureau of Education. Bulletin, 1907, no. 1.)
Bibliography, pp. 145–149.

King, Irving. Social aspects of education. A book of sources and original discussions, with annotated bibliographies. New York, 1912. 425 pp.
Selected bibliographies at the end of each chapter.

Monroe, Paul. A cyclopedia of education. 5 vols. New York, 1911–1913.
References, *passim*.

Nelson, C. A. Bibliography of teachers' salaries and pensions. Educational Review, xxxiii, pp. 24–35 (January, 1907).

Parker, S. C. A textbook in the history of modern elementary education; with emphasis on school practice in relation to social conditions. Boston, 1912. 505 pp.
Contains several lists of references.

PERRY, A. C. Outlines of school administration. New York, 1912. 452 pp.
Bibliography, pp. 434–443.

PERRY, C. A. Wider use of the school plant. New York, 1911. 423 pp. (Russell Sage Foundation publication.)
References at the end of each chapter.

United States. Bureau of Education. Annotated bibliography of medical inspection and health supervision of school children in the United States for the years 1909–1912. Washington, 1913. 136 pp. (Bulletin, 1913, no. 16.)

——. ——. Bibliography of education for 1910–1911. Washington, 1913. 105 pp. (Bulletin, 1913, no. 59.)

——. ——. List of publications of the United States Bureau of Education available for free distribution. Washington, 1912. 37 pp. (Bulletin, 1912, no. 25.)

WARD, E. J. The social center. New York, 1913. 359 pp.
Bibliography, pp. 344–351.

2. HISTORY OF SCHOOL SYSTEMS

DEXTER, E. G. A history of education in the United States. New York, 1906. 656 pp.

GRAVES, F. P. History of education in modern times. New York, 1913. 410 pp.

MARTIN, G. H. The evolution of the Massachusetts public school system. New York, 1908. 284 pp.

MAXWELL, W. H. A quarter century of public school development. New York, 1912. 417 pp.

MONROE, PAUL. A cyclopedia of education. 5 vols. New York, 1911–1913.
Contains many historical articles.

PARKER, S. C. A textbook in the history of modern elementary education. Boston, 1912. 505 pp.
Covers the period from the Middle Ages to the present day. Discusses educational movements, institutions, and ideas.

SUZZALLO, HENRY. The rise of local school supervision in Massachusetts. New York, 1906. 154 pp.

3. General School Administration [1]

Burnham, W. H. Principles of municipal school administration. Atlantic Monthly, xcv, pp. 105–112 (July, 1903).

Chancellor, W. E. Our city schools; their direction and management. Boston, 1908. 338 pp.

An erratic but very suggestive book.

Dutton, S. T., and Snedden, David. The administration of public education in the United States. New York, 1913. 614 pp.

This volume deals with governmental educational activity. It brings together, in considerable part for the first time, a large mass of carefully-ordered material bearing upon the evolution and present condition of educational administration, and it presents, in shape valuable either for study or for reference, the present state of educational administration in the United States, so far as that administration is governmental in form.

Elliott, E. C. City school supervision; a constructive study applied to New York City. Yonkers-on-Hudson, 1914. 258 pp. (School Efficiency series.)

Findlay, J. J. The school; an introduction to the study of education. New York, 1912. 256 pp.

Bibliography, pp. 249–252.

Freiberg, A. J. The Associated Harvard Clubs' report on school administration. Proceedings, National Municipal League, 1909, pp. 354–365.

Goodnow, F. J. Municipal government. New York, 1909. 401 pp.

Ch. xiv (pp. 307–324), Educational administration.

Greenwood, J. M. How New York City administers its schools. Educational Review, xlvi, pp. 217–228 (October, 1913).

Hanus, P. H. School efficiency. Yonkers-on-Hudson, 1914. 128 pp. (School Efficiency series.)

A constructive study applied to New York City, being a summary and interpretation of the report on the educational aspects of the school inquiry.

[1] Many questions relating to municipal school administration are discussed in the School Review, the Educational Review, the American School Board Journal, Educational Administration and Supervision, the annual Proceedings of the National Educational Association, the annual reports of the United States Bureau of Education, and the reports which are issued each year by the state board of education or other school authority in the various states.

MONROE, PAUL. A cyclopedia of education. 5 vols. New York, 1911–1913.
Excellent brief discussions on every phase of the subject.

MOORE, E. C. How New York City administers its schools. Yonkers-on-Hudson, 1913. 321 pp. (School Efficiency series.)

——. Indispensable requirements in city school administration. Educational Review, xlvi, pp. 143–156 (September, 1913).

PERRY, A. C. The management of a city school. New York, 1908. 350 pp.

——. Outlines of school administration. New York, 1912. 452 pp.

ROLLINS, FRANK. School administration in municipal government. New York, 1902. 106 pp. (Columbia University Contributions to Philosophy, Psychology and Education, xi, no. 1.)

STRAYER, G. D., and THORNDIKE, E. L. Educational administration; quantitative studies. New York, 1913. 391 pp.

United States. Bureau of Education. Special features in city school systems. Washington, 1913. 61 pp. (Bulletin, 1913, no. 31.)

4. SCHOOL BOARDS: THEIR ORGANIZATION AND FUNCTIONS

GAYNOR, W. J., and BUTLER, N. M. Should New York have a paid board of education? Educational Review, xlii, pp. 204–210 (September, 1911).

GRENFELL, H. L. The constitution of the ideal school board and the citizen's duty toward it. Proceedings, National Educational Association, 1909, pp. 994–999.

HATTON, A. R. Digest of city charters. Chicago, 1906. 351 pp.
School administration, pp. 334–341.

HORN, P. W. City schools under the commission form of city government. Educational Review, xxxvii, pp. 362–374 (April, 1909).

HUGHES, E. D. The relation of the school board to the city superintendent. Education, xxvi, pp. 541–549 (May, 1906).

HUNSICKER, B. F. School boards; their functions. Proceedings, National Educational Association, 1903, pp. 910–914.

JONES, L. H. The best methods of electing school boards. *Ibid.*, 1903, pp. 185–198.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Boards of education, i, pp. 634–635. References, p. 635.

MAXWELL, W. H. Charter provisions as related to the organization of school systems. Proceedings, National Educational Association, 1905, pp. 214–224.

MOWRY, DUANE. The board of education in large cities. Education, xxvi, pp. 71–79 (October, 1905).

NEARING, SCOTT. The working of a large board of education. Educational Review, xxxviii, pp. 43–51 (June, 1909).

——. The evolution of the small board of education. Education, xxix, pp. 663–668 (June, 1909).

New York City. Public Education Association. A small board of education for New York City. New York, 1914. 16 pp. (Bulletin no. 24.)

PERRY, A. C. Outlines of school administration. New York, 1912. 452 pp.
Ch. xx-xxiii (pp. 343–398), School direction.

TUCKER, M. A. School supervision by the school board. Education, xxiii, pp. 419–430 (March, 1903).

See also the general works in § 3, especially those of CHANCELLOR, DUTTON and SNEDDEN, ELLIOTT, and ROLLINS.

5. THE SCHOOL SUPERINTENDENT

BACHMAN, F. P. The school superintendent and his training. Education, xxx, pp. 368–373 (February, 1910).

CHAMBERLAIN, A. H. The growth of responsibility and enlargement of power of the city school superintendent. Berkeley, 1913. 159 pp. (Publication of the University of California, iii, pp. 283–441 (May 15, 1913).)
Bibliography, pp. 426–441.

MOORE, C. S. The modern city school superintendent. Education, xxiv, pp. 65–73 (October, 1903).

The superintendent and the board of education. School Review, xxi, pp. 486–488 (September, 1913).

See also the general works mentioned in § 3, especially CHANCELLOR, PERRY, DUTTON and SNEDDEN, ELLIOTT, and ROLLINS.

6. TEACHERS' SALARIES AND PENSIONS

BALDWIN, B. T., and MOHR, W. H., compilers. Bibliography of teachers salaries. Washington, 1914. 22 pp. (Government Printing Office.)

BOYKIN, J. C., and KING, ROBERTA. The tangible rewards of teaching. Washington, 1914. 465 pp. (United States Bureau of Education. Bulletin, 1914, no. 16.)

COTTON, F. A. Teachers' salaries. Proceedings, National Educational Association, 1906, pp. 132–141.

DYKE, C. B. Economic aspects of teachers' salaries. New York, 1899. 84 pp. (Columbia University Contributions to Philosophy, Psychology and Education, vii, no. 2.)

HARRIS, W. T. The future of teachers' salaries. Proceedings, National Education Association, 1905, pp. 67–79.

HENDERSON, C. R. Municipal pension systems and pensions for teachers. American Journal of Sociology, xiii, pp. 841–845 (May, 1908).

National Education Association. Report of the committee on salaries, tenure and pensions of public school teachers in the United States to the National Council of Education, July, 1905. (n. p.) 1905. 466 pp.

New York City. Board of Estimate and Apportionment. Report of the commission on teachers' salaries. New York, 1910. 143 pp.

SIES, R. W. Teachers' pension system in Great Britain. Washington, 1913. 88 pp. (United States Bureau of Education. Bulletin, 1913, no. 34.)
Bibliography, pp. 85–86.

SOMMER, F. H. Shall the state regulate teachers' salaries? Proceedings, National Educational Association, 1905, pp. 831–836.

Teachers' pensions in New York. School Review, xxii, pp. 122–124 (February, 1914).

See also the general works mentioned in § 3, especially CHANCELLOR, PERRY, DUTTON and SNEDDEN, ELLIOTT, and ROLLINS; also the Proceedings, Department of Superintendence, National Education Association.

7. THE MERIT SYSTEM IN SCHOOL ADMINISTRATION

BALLOU, F. W. The appointment of teachers in cities. Cambridge, 1915. (Publication of Harvard University.)

Contains a valuable discussion of the function of the school board in the appointment of teachers.

BLEWETT, BEN. The merit system in St. Louis. Proceedings, National Educational Association, 1905, pp. 241–244.

BOYKIN, J. C., and KING, ROBERTA, compilers. Tangible rewards of teaching: a detailed statement of salaries. Washington, 1914. 465 pp. (United States Bureau of Education. Bulletin, 1914, no. 16.)

HENDRIX, J. C. The best method of appointing public school teachers. Educational Review, iii, pp. 260–264 (March, 1892).

New York City. Board of Education. Examining, selecting and training teachers: a report prepared by ALBERT SHIELDS. New York, 1914. 50 pp. (Doc. no. 5, 1914.)

PERRY, A. C. The status of the teacher. Boston, 1912. 78 pp.

RAFTER, A. L. The merit system of rating and re-rating teachers in Boston. Educational Review, xl, pp. 193–200 (September, 1910).

THOMPSON, F. G., and others. Rating, placing, and promotion of teachers. Educational surveys. List of educational investigations, 1914. Boston, 1914. 82 pp. (School Review monographs.)

8. STATE CONTROL OF CITY SCHOOLS

DUTTON, S. T., and SNEDDEN, DAVID. The administration of public education in the United States. New York, 1912. 614 pp.

Ch. iv (pp. 41–53), The state and education; ch. v (pp. 54–72), American states and educational administration.

ELLIOTT, E. C. State school systems. A summary of legislation. 3 parts. Washington, 1906, 1908, 1910. (United States Bureau of Education. Bulletins, 1906, no. 3; 1908, no. 7; 1910, no. 2.)

FINEGAN, T. E. The policy of New York state in the supervision of her public schools. New York, 1911. 32 pp.

HOWERTH, I. W. State boards of education. Berkeley, 1913. 24 pp. (University of California. Department of Information on Social Welfare. Bulletin no. 1.)

PERRY, A. C. Outlines of school administration. New York, 1912. 452 pp.
Ch. iii (pp. 16–28), The state and education.

9. SCHOOL ACCOUNTING, EFFICIENCY AND FINANCE

BACHMAN, F. P. Attaining efficiency in city school systems. Annals of the American Academy of Political and Social Science, xli, pp. 158–175 (May, 1912).

Boston. Finance Commission. Report on Boston school system. Reports, vii, pp. 1–237 (1911).

CUBBERLEY, E. P. School funds and their apportionment. New York, 1906. 255 pp.
Bibliography, pp. 254–255.

DUTTON, S. T., and SNEDDEN, DAVID. The administration of public education in the United States. New York, 1912. 614 pp.
Ch. x (pp. 144–171), The financing of public education.

ELLIOTT, E. C. Some fiscal aspects of public education in American cities. New York, 1905. 103 pp.
Bibliography, pp. 100–101.

HOWERTH, I. W. Apportionment of school funds. Educational Review, xlvi, pp. 273–284 (October, 1913).

HUTCHINSON, J. H. School costs and school accounting. New York, 1914. 151 pp.

National Education Association. Committee on Uniform Records and Reports. Report to the Department of Superintendence. Washington, 1912. 46 pp. (United States Bureau of Education. Bulletin, 1912, no. 3.)

Philadelphia. Public Education Association. The public schools of Philadelphia. A statement of their organization, finances, equipment and activities. Philadelphia, 1913. 43 pp. (Study no. 41.)

ROWE, L. S. The financial relation of the department of education to the city government. Annals of the American Academy of Political and Social Science, xv, pp. 186–203 (March, 1900).

SNEDDEN, D. S., and ALLEN, W. H. School reports and school efficiency. New York, 1908. 183 pp.
A plan of uniform school reports.

STRAYER, G. D. City school expenditures. New York, 1905. 104 pp.

UPDEGRAFF, HARLAN. A study of expenses of city school systems. Washington, 1912. 96 pp. (United States Bureau of Education. Bulletin, 1912, no. 5.)

10. SCHOOL STATISTICS

BLAN, L. B. A special study of the incidence of retardation. New York, 1911. 111 pp. (Columbia University. Teachers' College. Contributions to Education, no. 40.)

HANEY, J. D. Registration of city school children; a consideration of the subject of the city school census. New York, 1910. 155 pp. (Columbia University. Teachers' College. Contribution to Education, no. 30.)

JESSUP, W. A. Shifting the school population. School Review, xxi, pp. 513–522 (October, 1913).

KEYES, C. H. Progress through the grades of city schools; a study of acceleration and arrest. New York, 1911. 79 pp. (Columbia University. Teachers' College. Contributions to Education, no. 42.)

STRAYER, G. D. Age and grade census of schools and colleges; a study of retardation and elimination. Washington, 1911. 144 pp. (United States Bureau of Education. Bulletin, 1911, no. 5.)

THORNDIKE, E. L. The elimination of pupils from schools. Washington, 1908. 63 pp. (United States Bureau of Education. Bulletin, 1907, no. 4.)

——. An introduction to the theory of mental and social measurement. New York, 1913. 277 pp.

Contains much statistical data.

United States. Bureau of the Census. Statistics of cities of over 25,000: 1902–1903. Washington. Published annually since 1905.

Since the statistics for 1905 (1907) the figures have been for cities of over 30,000. Contain financial statistics covering such topics as school sites, buildings, grounds and equipment; lunch rooms; supplies; and general matters.

——. Commissioner of Education. Annual report, 1903. 2 vols. Washington, 1904.

Vol. ii, ch. xxxii (pp. 1391–1502), Statistics of city school systems.

UPDEGRAFF, HARLAN, and HOOD, W. R. Comparison of urban and rural common school statistics. Washington, 1912. 31 pp. (United States Bureau of Education. Bulletin, 1912, no. 21.)

11. VACATION AND EVENING SCHOOLS

BALLIET, T. M. The organization of a system of evening schools. Proceedings, National Education Association, 1904, pp. 278–284.

CARDOZO, F. L., Jr. Vacation schools. Education, xxii, pp. 141–150 (November, 1913).

CURTIS, H. S. Vacation schools, playgrounds and settlements. Report of the United States Commissioner of Education, 1903, i, pp. 1–38.

PERRY, C. A. The summer use of the schoolhouse. American City, ii, pp. 259–265 (June, 1910).

SHAW, A. M. The spread of vacation schools. World's Work, xx, pp. 5405–5414 (October, 1904).

VAN KLEECK, MARY. Working girls in evening schools; a statistical study. New York, 1914. 252 pp. (Russell Sage Foundation publication.)

See also the general works mentioned in § 15, especially DUTTON and SNEDDEN, C. A. PERRY, and WARD.

12. Continuation Schools

Cleveland. Chamber of Commerce. Continuation schools. Report of the committee on education. Cleveland, 1913. 14 pp.

Jones, A. J. The continuation school in the United States. Washington, 1907. 157 pp. (United States Bureau of Education. Bulletin, 1907, no. 1.)

Reber, L. E. Industrial and continuation schools; their foundation, organization and adjustment to the life of the community. Madison, 1913. 18 pp. (Wisconsin State Board of Industrial Education. Bulletin no. 5.)

Sadler, M. E., and others. Continuation schools in England and elsewhere. Manchester (England), 1908. 779 pp.
Bibliography, pp. 750–754.

13. Open-Air Schools

Allegheny County, Pa. Civic Club. First report of open-air school committee. Pittsburgh, 1912. 14 pp.

Ayres, L. P. Open-air schools. New York, 1910. 171 pp.
Methods and results are fully discussed. A good bibliography is included.

Curtis, E. W. Outdoor schools. American City, ii, pp. 33–37 (January, 1910).

Russell Sage Foundation. Division of Education. Open air schools. New York, 1913. 16 pp.

See also The Tuberculosis Problem.

14. Medical Inspection of Schools and School Hygiene

Allen, W. H. A broader motive for school hygiene. Atlantic Monthly, ci, pp. 824–829 (June, 1908).

Ayres, L. P. Revolution in education and its cause. Lippincott's Magazine, xcii, pp. 590–595 (November, 1913).

Barry, W. F. The hygiene of the schoolroom. Boston, 1911. 199 pp.

Burks, F. W., and J. D. Health and the school. New York, 1913. 393 pp.
Bibliography, pp. 367–380.

CORNELL, W. S. Health and medical inspection of school children. Philadelphia, 1912. 614 pp.
The best general book on the subject. The author is director of medical inspection of public schools in Philadelphia.

DRESSLAR, F. B. School hygiene. New York, 1913. 369 pp.
Bibliographies at the end of each chapter.

FLOWER, B. O. The compulsory medical inspection of school children. New York, 1911. (National League for Medical Freedom. League Library no. 3.)

GREENWOOD, ALFRED. The health and physique of school children. London, 1913. 96 pp.

GULICK, L. H., and AYRES, L. P. Medical inspection of schools. 2d edition. New York, 1910. 224 pp.
The first American work on a subject of prime importance, dealing with its historical, administrative, financial and statistical phases.

HOAG, E. B. Organized health work in schools, with an account of a campaign for school hygiene in Minnesota. Washington, 1913. 56 pp. (United States Bureau of Education. Bulletin, 1913, no. 44.)
Contains a bibliography of four pages.

——, and TERMAN, LEWIS M. Health work in the schools. Boston, 1914. 321 pp.

MACKENZIE, W. L., and CRUICKSHANK, L. D. Problems of school hygiene. London, 1914. 112 pp.

NEWMAYER, S. W. Medical and sanitary inspection of schools. Philadelphia, 1913. 318 pp.

PYLE, W. H. The examination of school children. New York, 1913. 70 pp.

RAPEER, L. W. School health administration. New York, 1913. 360 pp.
References, pp. 356–358.

Russell Sage Foundation. Department of Child Hygiene. What American cities are doing for the health of school children. New York, 1911. 15 pp.
A report covering conditions and progress in a great many cities.

SELTER, HUGO. Handbuch der deutschen Schulhygiene. Dresden, 1914. 759 pp.

TERMAN, L. M. The hygiene of the school child. Boston, 1914. 417 pp.

WALD, LILLIAN D. Medical inspection of public schools. Annals of the American Academy of Political and Social Science, XXV, pp. 290–298 (March, 1905).

WALLIN, J. E. W. The mental health of the school child; the psycho-educational clinic in relation to child welfare. New Haven, 1914. 463 pp.

Medical inspection in the public schools. American City, ix, pp. 316–319 (October, 1913).

See also Public Health.

15. VOCATIONAL EDUCATION AND VOCATIONAL GUIDANCE

(*a*) *Lists of references*

BLOOMFIELD, MEYER. The vocational guidance of youth. Boston, 1911. 124 pp.

References, pp. 117–120.

——. The school and the start in life; a study of the relations between school and employment in England, Scotland and Germany. Washington, 1914. 146 pp. (United States Bureau of Education. Bulletin, 1914, no. 4.)

Bibliography, pp. 133–143.

Brooklyn. Public Library. Choosing an occupation. A list of books and references on vocational choice, guidance and training in the Brooklyn Public Library. Brooklyn, 1913. 63 pp.

An extremely useful list.

Chicago. Public Library. Vocational and industrial education and vocational guidance. Book Bulletin, pp. 45–46 (March, 1912).

COOLEY, E. G. Vocational education in Europe, 1912. Report of the Commercial Club of Chicago. Chicago, 1912. 347 pp.

Bibliography, p. 7.

KING, IRVING. Social aspects of education. New York, 1912. 425 pp.

References on vocational guidance, pp. 171–176, 204–205.

National Education Association. Selected bibliography on industrial education. Report of committee on the place of industries in public education. Proceedings, 1910, pp. 766–773.

New York City. High School Teachers' Association. Students' Aid Committee. Choosing a career; a circular of information for boys. New York, 1909. 22 pp.
Index to vocational literature, pp. 21–28.

——. ——. Choosing a career; a circular of information for girls. New York, 1909. 26 pp.

Pittsburgh. Carnegie Library. Vocational guidance. A ready list for teachers, parents and pupils. Pittsburgh, 1913. 16 pp. (Reprinted from Monthly Bulletin, xviii, pp. 195–264 (May, 1913).)
A useful and well-chosen list.

United States. Department of Commerce and Labor. Selected bibliography on industrial education. Twenty-fifth annual report of the Commissioner of Labor, pp. 521–539 (1910).

(*b*) *General discussions*

BEARD, C. A. American city government. New York, 1912. 420 pp.
Ch. xii (pp. 311–333), Education and industrial training.

BLOOMFIELD, MEYER. The vocational guidance of youth. Boston, 1911. 124 pp.
The best brief treatise on the whole field.

DAVIS, J. B. Vocational and moral guidance. Boston, 1914. 303 pp.

DEAN, A. D. Vocational schools. Albany, 1912. 29 pp.

DUTTON, S. T., and SNEDDEN, DAVID. The administration of education in the United States. New York, 1912. 614 pp.
Ch. xxii (pp. 404–425), Administration of vocational education. Bibliography, pp. 424–425.

HANEY, J. P. Vocational training and trade teaching in the public schools. Annals of the American Academy of Political and Social Science, xxxiii, pp. 23–32 (January, 1909).

HANUS, P. H. Beginnings in industrial education. Boston, 1908. 199 pp.

——. Vocational guidance and public education. School Review, xix, pp. 51–56 (January, 1911).

KING, IRVING. Social aspects of education. New York, 1912. 425 pp.
Ch. ix (pp. 144–176), Industrial and vocational education; bibliography, pp. 172–176. Ch. x (pp. 177–205), Vocational direction; bibliography, pp. 204–205.

LEAKE, A. H. Industrial education, its problems, methods and dangers. Boston, 1913. 206 pp.
Bibliography, pp. 196–198.

PERRY, A. C. Outlines of school administration. New York, 1912. 452 pp.
Ch. xvi (pp. 261–299), Vocational education.

SCHNEIDER, HERMAN. Vocational schools. Report to the Board of Estimate and Apportionment Committee on School Inquiry. New York, 1913. 56 pp.

SNEDDEN, D. S. The problem of vocational education. Boston, 1910. 86 pp.

United States. Senate and House Committees on Agriculture. Vocational education. 2 vols. Washington, 1912.
Reports of hearings before the committees.

(*c*) *Special studies*

ALLEN, F. J. The vocation bureau and the Boston school system. National Municipal Review, ii, pp. 108–110 (January, 1913).

Association of Collegiate Alumnae. Vocational training; a classified list of institutions training educated women for occupations other than teaching, prepared by the committee on vocational opportunities. Northampton, 1913. 137 pp. (Bulletin no. 1.)

AYRES, L. P. Some conditions affecting problems of industrial education in seventy-eight American school systems. New York, 1914. 22 pp. (Russell Sage Foundation publication.)

BLOOMFIELD, MEYER. The school and the start in life; a study of the relations between school and employment in England, Scotland and Germany. Washington, 1914. 146 pp. (United States Bureau of Education. Bulletin, 1914, no. 4.)
Bibliography, pp. 133–143.

Chicago. City Club. A report on vocational training in Chicago and in other cities. Chicago, 1912. 315 pp.
An analysis of the need for industrial and commercial training in Chicago and a study of present provisions therefor in comparison with such provisions in 29 other cities.

COOLEY, E. G. Vocational education in Europe, 1912. Report to the Commercial Club of Chicago. Chicago, 1912. 347 pp.

LASSELLE, M. A., and WILEY, K. E. Vocations for girls. Boston, 1913. 139 pp.
Bibliography, pp. 130–132.

LEAVITT, F. M. Examples of industrial education. Boston, 1912. 330 pp.

ORR, WILLIAM. Vocational training in large cities. School Review, xvii, pp. 417–428 (June, 1909).

RIGHTER, LEONARD, and LEONARD, R. J. Educational survey preparatory to organization of vocational education. New York, 1913. 64 pp.

TAYLOR, J. H. A handbook of vocational education. New York, 1914. 225 pp.

United States. Bureau of Labor. Vocational guidance. Twenty-fifth annual report of the Commissioner of Labor, Pt. III, pp. 411–497 (1910).
Vocational guidance in New York City, the Boston plan, etc.

WEAVER, E. W., editor. Vocation for girls. New York, 1913. 200 pp.

WEEKS, RUTH M. The people's school; a study in vocational training. Boston, 1912. 207 pp.
Contains a well-selected bibliography, pp. 195–202.

WOOLMAN, MARY S. The making of a trade school. Boston, 1910. 101 pp.

16. SCHOOLS AS SOCIAL CENTERS

BERRY, GRAHAM. The open schoolhouse. Bookman, xxxiv, pp. 517–524 (January, 1914).

CHILDS, C. S. A year's experiment in social center organization. An account of the activities conducted in public school 63, Manhattan. New York, 1913. 20 pp.

DUTTON, S. T., and SNEDDEN, DAVID. The administration of public education in the United States. New York, 1912. 614 pp.

Ch. xxxi (pp. 551–581), The widening sphere of public education; references, pp. 580–581. Ch. xxxii (pp. 582–595), The school and society; references, pp. 594–595.

EDWARDS, G. H., Jr. The school as a social center. Columbia (S. C.), 1913. 73 pp. (University of South Carolina. Bulletin no. 35, Pt. II (October, 1913).)

Bibliography, pp. 49–70.

FORSYTHE, ANNE. Using the schoolhouse out of school hours. World To-Day, xx, pp. 38–43 (January, 1911).

Kansas City, Mo. Board of Public Welfare. Research Bureau. The social center in Kansas City. Kansas City, 1913. 16 pp.

KING, IRVING. Education for social efficiency; a study in the social relations of education. New York, 1913. 310 pp.

——. Social aspects of education. New York, 1912. 425 pp.

Ch. v (pp. 65–97), The school as a social center; bibliography, pp. 96–97.

MAYER, MARY J. Our public schools as social centers. Review of Reviews, xliv, pp. 201–208 (August, 1911).

MOWRY, DUANE. The use of school buildings for other than school purposes. Education, xxix, pp. 92–96 (October, 1908).

National Society for the Study of Education. Tenth yearbook. 2 Pts. Chicago, 1911.

Pt. I, pp. 1–69, The city school as a community center.

PERRY, C. A. How to start social centers. New York, 1913. 40 pp. (Russell Sage Foundation. Department of Recreation pamphlet.)

——. The wider use of the school plant. New York, 1911. 423 pp. (Russell Sage Foundation publication.)

Ch. i, The wider use; ch. ii, Evening schools; ch. iii, Evening schools abroad; ch. iv, The promotion of attendance at evening schools; ch. v, Vacation schools; ch. vi, School playgrounds; ch. vii, Public lectures and entertainments; ch. viii, Evening recreation centers; ch. ix, Social centers; ch. x, Organized athletics, games and folk dancing; ch. xi,

Meetings in school houses; ch. xii, Social betterment through wider use; appendix A, Local lecture sources; appendix B, Regulations covering the use of Rochester school buildings. References at the end of chapters.

RILEY, T. J. The increased use of school property. American Journal of Sociology, xi, pp. 655–662 (March, 1906).

STOKES, J. G. PHELPS. Public schools as social centers. Annals of the American Academy of Political and Social Science, xxiii, pp. 457–463 (May, 1904).

University of Wisconsin. Extension Division. Department of General Information and Welfare. Lessons learned in Rochester with reference to civic and social-center development. Madison, 1911. 15 pp. (Bulletin, serial no. 464; general series no. 301.)

WARD, E. J. The social center. New York, 1913. 359 pp.
Ch. i, Discovery — not creation; ch. ii, Deliberation — then decision; ch. iii, The voters' league; ch. iv, Political organization — not partition; ch. v, Like home; ch. vi, Practical politics; ch. vii, What we have — what we want; ch. viii, Beginnings in Rochester and elsewhere; ch. ix, The public lecture center; ch. x, The branch public library; ch. xi, The public art gallery; ch. xii, The music center; ch. xiii, The festival center; ch. xiv, The motion picture theater; ch. xv, The recreation center; ch. xvi, The vocation center and employment bureau; ch. xvii, The public health office; ch. xviii, The social center in the rural community; ch. xix, The social center and the university; ch. xx, The magnified school. Bibliography, pp. 344–351.

See also the Proceedings of the National Society of the Promotion of Industrial (Vocational) Education, published annually in New York since 1908.

17. SCHOOL ARCHITECTURE, CONSTRUCTION, HEATING AND VENTILATION

BRIGGS, W. R. Modern American school buildings. New York, 1909. 411 pp.

BRUCE, W. G. School architecture; a handy manual for the use of architects and school authorities. 4th edition. Milwaukee, 1910. 289 pp.

DRESSLAR, F. B. American school houses. Washington, 1911. 133 pp. and plates. (United States Bureau of Education. Bulletin, 1910, no. 5.)

DUTTON, S. T., and SNEDDEN, DAVID. The administration of public education in the United States. New York, 1912. 614 pp.

Ch. xi (pp. 172–186), The schoolhouse: its construction and adaptation; references, p. 186. Ch. xi (pp. 187–207), The schoolhouse: heating, and ventilation; references, p. 207.

HOLLISTON, H. A. Public school buildings and their equipment, with special reference to high schools. Urbana, 1909. 37 pp. (University of Illinois. School of Education. Bulletin, vi, no. 1.)

References, p. 37.

MOORE, J. A. The schoolhouse; its heating and ventilation. Boston, 1905. 204 pp.

PERRY, C. A. Social center features in new elementary school architecture; and the plans of sixteen socialized schools. New York, 1912. 55 pp. (Russell Sage Foundation. Division of Child Hygiene. Pamphlet no. 120.)

ROWE, S. H. The lighting of school rooms. New York, 1904. 94 pp.

Contains a brief bibliography.

STURGIS, R. C. The school house problem. Architectural Quarterly of Harvard University, ii, pp. 36–63 (December, 1913).

WHEELWRIGHT, E. M. School architecture. Boston, 1901. 324 pp.

For many years the standard work on the subject.

SECTION LVII. PLAYGROUNDS AND PLAYGROUND ADMINISTRATION

1. LISTS OF REFERENCES

BLACKMAR, F. W. Playgrounds and parks. Lawrence, 1910. 12 pp. (University of Kansas. General Information and Welfare Bulletin xi, no. 2, Pt. I; Social Betterment series, no. 1.)

Bibliography, pp. 10–11.

BROOKS, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.

Parks, playgrounds, etc., pp. 212–216.

HANMER, L. F., and KNIGHT, H. R. Sources of information on recreation. New York, 1914. 27 pp. (Russell Sage Foundation. Department of Recreation. Pamphlet no. 26.)

HOUSTON, MARION. Bibliography of playgrounds and vacation schools. Charities, xiii, pp. 358–360 (April 2, 1904).

KING, IRVING. Social aspects of education. New York, 1912. 425 pp.
Selected bibliography of play and playgrounds, pp. 126–128.

LEE, JOSEPH. Playgrounds. Boston, 1907. 11 pp. (American Civic Association. Department of Public Recreation. Department leaflet no. 7.)

REYNOLDS, J. B., editor. Civic bibliography for Greater New York. New York, 1911. 296 pp. (Russell Sage Foundation publication.)
Park and playground, pp. 241–247.

Russell Sage Foundation. Division of Recreation. Recreation bibliography. New York, 1912. 37 pp. (Pamphlet no. 121.)

United States. Bureau of Education. Library Division. List of references on play and playgrounds. Washington, 1914. 6 pp.

2. THE VALUE OF PLAYGROUNDS

ADDAMS, JANE. Recreation as a public function in urban communities. American Journal of Sociology, xvii, pp. 615–619 (March, 1912).

American Academy of Political and Social Science. Public recreation facilities. Annals, xxxv, no. 2 (March, 1910). Philadelphia, 1910. 232 pp.
Papers on The social significance of parks and playgrounds: Play and social progress, by H. S. Braucher; Public provision and responsibility for playgrounds, by H. S. Curtis; The playground as a social center, by Mrs. A. H. Jerome; Educational value of public recreation facilities, by C. M. Robinson; Our recreation facilities and the immigrant, by Victor von Borosini; The social significance of play, by O. T. Mallery; The playground for children at home, by Beulah Kennard; The unused assets of our public recreation facilities, by B. C. Marsh; Music and refreshments in parks, by P. H. Goepp.

BEARD, C. A. American city government. New York, 1912. 420 pp.
Ch. xiii (pp. 334–355), Municipal recreation.

BROWN, E. E. Health, morality and the playground. Charities and the Commons, xviii, pp. 500–501 (August 3, 1907).

CURTIS, H. S. Education through play. New York, 1914. 359 pp.

GULICK, L. H. Physical education through muscular exercise. Philadelphia, 1904. 67 pp.

HANMER, L. F. Health and playgrounds. Proceedings, National Conference of Charities and Correction, 1910, pp. 153–156.

——. Recreation legislation. New York, 1914. 68 pp. (Russell Sage Foundation. Department of Child Hygiene. Pamphlet no. 106.)
Typical state laws and city ordinances dealing with matters of public recreation.

JOHNSON, G. E. The country boy. Boston, 1906. 19 pp. (Massachusetts Civic League. Leaflet no. 8.)

LEE, JOSEPH. Play in education. New York, 1915. 500 pp.

MERO, E. B. Current development of municipal recreation. American City, iv, pp. 181–184 (April, 1911).

ROBINSON, C. M. The improvement of towns and cities. New York, 1901. 309 pp.
Ch. x (pp. 172–185), " Squares " and playgrounds.

VEILLER, LAWRENCE. The social value of playgrounds in crowded districts. Charities and the Commons, xviii, pp. 507–510 (August 3, 1907).

3. HISTORY OF THE PLAYGROUND MOVEMENT

CURTIS, H. S. The development of the playground movement. Proceedings, National Conference of Charities and Correction, 1907, pp. 278–286.

——. The growth, present extent and prospects of the playground movement in America. American City, i, pp. 27–33 (September, 1909).

LEE, JOSEPH. Constructive and preventive philanthropy. New York, 1902. 242 pp.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Playgrounds, ii, pp. 697–698. References, p. 698.

Mero, E. B. American playgrounds. 3d edition. New York, 1909. 293 pp.
Ch. xxxiii (pp. 239–252), History of playground movement.

Weir, L. H. The playground movement in America. American City, vi, pp. 577–580 (March, 1912).

Wood, Walter. Playground movement in America and its relation to public education. New York, 1913. 50 pp.

Zueblin, Charles. American municipal progress. New York, 1903. 380 pp.
Ch. ix (pp. 276–301), Public recreation.

4. Playground Planning, Construction and Equipment

Corbin, A. M. How to equip a playground. Playground, vii, pp. 8–15 (April, 1913).

Curtis, H. S. The need of a comprehensive playground plan. American City, v, pp. 338–340 (December, 1911).

——. Playground equipment. Playground, vii, pp. 301–329 (November, 1913).

Dunning, A. W. Ideal playgrounds. Municipal Engineering, xliv, pp. 317–321 (April, 1913).

Groot, E. B. de. Playground equipment. New York, 1912. 18 pp. (Publication of the Playground Association of America.)

Haynes, Rowland. Recreation survey, Milwaukee, Wis. Milwaukee, 1912. 32 pp. (Milwaukee Bureau of Economy and Efficiency. Bulletin no. 17 (1912).)

——. Recreation survey of Kansas City, Mo. In Second annual report, Board of Public Welfare, Recreation Department, pp. 1–61 (1911–1912).

Lee, Joseph. How to start and organize playgrounds. Playground, iii, pp. 1–11 (February, 1910).

Leland, Arthur. Plans and specifications for playground construction and playground apparatus. Springfield (Mass.), 1909. 16 pp.

MERO, E. B. American playgrounds. 3d edition. New York, 1909. 293 pp.
A practical guide on the construction, equipment, maintenance, and utility of playgrounds, together with a short history of the playground movement. See especially pp. 79–91.

NOLEN, JOHN. Replanning small cities; six typical studies. New York, 1912. 218 pp.
Passim.

5. PLAYGROUND MANAGEMENT AND SUPERVISION

ANGELL, E. D. Play; comprising games for the kindergarten, playground, school room and college. New York, 1910. 190 pp.

BANCROFT, J. H. Games for the playground, home, school and gymnasium. New York, 1909. 456 pp.

CURTIS, H. S. Athletics in the playgrounds. American City, iii, pp. 21–25 (July, 1910).

HANMER, L. F. First steps in organizing playgrounds. New York, 1908. 36 pp. (Russell Sage Foundation publication.)

JOHNSON, G. E. Education by play and games. Boston, 1907. 234 pp.
A study of the educational value of play. An excellent book.

——. What to do at recess. Boston, 1910. 33 pp.
A useful combination of real understanding and practical experience.

LELAND, ARTHUR, and L. H. Playground technique and playcraft. Springfield (Mass.), 1909. 284 pp.
Bibliography, pp. 260–274.

MANGOLD, G. B. Child problems. New York, 1910. 381 pp.
The playground movement, pp. 103–115.

PARSONS, B. R. Play and games for indoors and out. New York, 1909. 215 pp.

STECHER, W. A. Handbook of physical training and games for elementary schools. Philadelphia, 1914. 43 pp.

6. PLAYGROUNDS AND THE SCHOOLS

CURTIS, H. S. Neighborhood centers; the proper relationship of the public school to playgrounds and small parks. American City, vii, pp. 133–137 (August, 1912).

——. The reorganized school playground. 2d edition. Washington, 1913. 28 pp. (United States Bureau of Education. Bulletin, 1913, no. 40; whole no. 550.)

LEE, JOSEPH. The playground as a part of the public school. Proceedings, National Conference of Charities and Correction, 1904, pp. 459–471.

MACFARLAND, H. B. The relation of municipal playgrounds to the schools. Charities, xviii, pp. 545–546 (August 3, 1907).

Oregon. Department of Public Instruction. A practical recreation manual for schools. Compiled by L. H. WEIR and STELLA W. DURHAM. Salem, 1914. 109 pp.

PERKINS, D. H. The union of playgrounds and public schools. Charities and the Commons, xviii, pp. 538–541 (August 3, 1907).

WEIR, L. H. Public schools and the playground movement. American City, vi, pp. 740–746 (May, 1912).

ZUEBLIN, CHARLES. Playgrounds and the board of education. Charities, xviii, pp. 543–545 (August 3, 1907).

7. PERIODICAL PUBLICATIONS AND REPORTS

American Physical Education Review. Vol. i, September, 1896. Boston. Monthly.

Boys' Life; the Boy Scouts' Magazine. Vol. i, March, 1911. Providence. Monthly.

Playground Association of America. Proceedings and yearbook. No. 1, 1908. New York. Published annually.

——. Miscellaneous publications. New York, 1907–. Published irregularly.

——. The Playground. Official organ of the Playground Association of America. Vol. i, 1907. New York. Monthly.

The Survey. New York, 1909–. Weekly.

Title varies: October, 1905, Charities, a weekly review of local and general philanthropy; November, 1905–March, 1909, Charities and the Commons; April, 1909–, The Survey. Official organ of the Charity Organization Society of New York. Absorbed Charities Review, March, 1901; The Commons, November, 1905; and Jewish Charity, March, 1906.

Work with Boys. Vol. i, 1901. Fall River. Monthly.

SECTION LVIII. MUNICIPAL LIBRARY ADMINISTRATION

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Libraries, p. 116.

Kaiser, J. B. Law, legislative and municipal reference libraries; an introductory manual and bibliographical guide. Boston, 1914. 467 pp.
Bibliography of legislative reference work, pp. 388–396; bibliography of municipal libraries and research bureaus, pp. 423–431.

Watts, Irma A. List of articles on municipal reference work. Public Libraries, xvii, p. 164 (May, 1912).

Municipal reference libraries. Bibliography. Proceedings, National Municipal League, 1910, pp. 452–459.

Municipal reference libraries. Bibliography. Special Libraries, ii, pp. 21–22 (March, 1911).

2. General Discussions

Bostwick, A. E. The administration of a public library. Chicago, 1911. 9 pp.
A reprint of the Manual of library economy, ch. xiii.

——. The American public library. New York, 1910. 393 pp.

——, compiler. The relation between the library and the public schools; reprints of papers and addresses, with notes. White Plains (N. Y.), 1914. 331 pp.

Bostwick, A. L. The relation between the municipal library and the legislator. Special Libraries, iv, pp. 163–165 (September, 1913).

Bowerman, G. F. Public library, the organ of social advance. Charities and the Commons, xvi, pp. 105–110 (April 14, 1906).

Briggs, W. B. The public library and the city government; or, what public libraries should do for municipal departments and officials. Library Journal, xxxiii, pp. 385–390 (October, 1908).

Dana, J. C. Relations of the library to the city. American City, vii, pp. 314–317 (October, 1912).

——. The public library and publicity in municipal affairs. Library Journal, xxxviii, pp. 199–201 (April, 1913).

RAE, W. S. C. Public library administration. New York, 1913. 132 pp.

The best general discussion of organization and problems.

RANCK, S. H. The library as a civic factor. Proceedings, National Municipal League, 1910, pp. 385–394.

——. The public library as a part of the municipal government. Public Libraries, xii, pp. 386–387 (December, 1907).

Also in Library Journal, xxxii, pp. 432–433 (October, 1907).

REX, FREDERICK. The municipal library. Educational Bimonthly, iv, pp. 286–289 (April, 1910).

SCHAPER, W. A. The place of the public library in the administration of the city. National Municipal Review, iii, pp. 672–681 (October, 1914).

TYLER, ALICE S. The public library in commission-governed cities. National Municipal Review, ii, pp. 255–259 (April, 1913).

Wisconsin. Free Library Commission. Instruction in library administration and public service. Madison, 1913. 12 pp.

See also articles relating to the work of this commission in American City, ix, p. 360 (October, 1913); National Municipal Review, ii, pp. 715–716 (October, 1913).

3. MUNICIPAL REFERENCE LIBRARIES

CRECRAFT, E. W. The municipal reference library. National Municipal Review, ii, pp. 644–653 (October, 1913).

FLACK, H. E. Municipal reference libraries. Proceedings, National Municipal League, 1908, pp. 306–316.

GREENE, C. S. Municipal reference library movement in the United States and especially in Oakland, California. Pacific Municipalities, xvi, pp. 461–467 (October, 1912).

KAISER, J. B. Law, legislative and municipal reference libraries; an introductory manual and bibliographical guide. Boston, 1914. 467 pp.

A most useful book containing an enormous amount of valuable data, well arranged and admirably indexed. Includes such subjects as the origin and development of the municipal reference library, with a classi-

fied list of bureaus and libraries; materials — documentary and legal, books, serial publications, miscellaneous publications, etc.; and general suggestions relating to such topics as city-council procedure, the qualifications of a municipal reference librarian; future possibilities for coöperation, etc.

LAPP, J. A. How to organize a municipal reference bureau. American City, xi, pp. 206–210 (September, 1914).

MACGREGOR, F. H. The municipal reference bureau of Wisconsin. *Ibid.*, ii, pp. 65–68 (February, 1910).

MOWRY, D. E. Reference libraries in cities, — Baltimore as a type. Public Libraries, xii, pp. 278–279 (December, 1907).

——. Municipal reference libraries. Proceedings, National Municipal League, 1908, pp. 308–316.

PRENDERGAST, W. A. New York's municipal reference library. Library Journal, xxxviii, pp. 270–272 (May, 1913).

RANCK, S. H. Municipal legislative reference libraries; should they be established and maintained as a part of the public library of a city or as an independent department or organization? *Ibid.*, xxxiv, pp. 345–350 (August, 1909).

TIEFENTHALER, LEO. The municipal reference library and municipal work. Public Libraries, xvii, pp. 162–163 (May, 1912).

United States. Library of Congress. Legislative reference bureaus. Report, 1911, pp. 183–237.

——. Senate. Committee on the Library. Legislative drafting bureau and legislative reference division of the Library of Congress. Hearings, February 4, 1913. Washington, 1913. 145 pp.

Of course this does not relate to a municipal reference library, but no one interested in municipal reference libraries can fail to be instructed by a reading of the testimony given at these hearings.

See also Bureaus of Municipal Research, Agencies of Instruction in Municipal Government.

SECTION LIX. POOR RELIEF AND CHILD WELFARE

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Charities, pp. 40–45.

Chicago. Public Library. Child welfare. A list of books and references to periodicals in the Chicago Public Library. Chicago, 1911. 35 pp.

Harvard University. Department of Social Ethics. Guide to reading in social ethics and allied subjects. Cambridge, 1910. 265 pp.
Poor relief, pp. 68–74.

St. Louis. Public Library. A list of books and articles on child welfare. St. Louis, 1912. 11 pp.

Warner, A. G. American charities. Revised edition. New York, 1908. 510 pp.
Bibliography, pp. 467–493.

2. History of Poor Relief

Aschrott, P. F. The English poor law system, past and present. 2d edition. London, 1902. 376 pp.

Bosanquet, Helen. The poor law report of 1909; a summary explaining the defects of the present system and the principal recommendations of the commission so far as relates to England and Wales. London, 1909. 263 pp.
This volume contains a recapitulation of the majority report of the royal commission on poor laws, 1909.

Warner, A. G. American charities. Revised edition. New York, 1908. 510 pp.

Webb, Sidney, and Beatrice. The break-up of the poor law. New York, 1909. 604 pp.
This is substantially the minority report by the royal commission on poor laws, 1909.

——. The prevention of destitution. London, 1911. 348 pp.

3. General Discussions

Dawson, W. H. Municipal life and government in Germany. London, 1914. 507 pp.
Ch. x (pp. 260–278), Relief of the poor.

Devine, E. T. Misery and its causes. New York, 1909. 274 pp.

——. The principles of relief. New York, 1904. 495 pp.

Goodnow, F. J. City government in the United States. New York, 1904. 315 pp.
Ch. x (pp. 248–261), The administration of charities and correction.

——. Municipal government. New York, 1909. 401 pp.
Ch. xiii (pp. 288–306), The administration of charities and correction.

Henderson, C. R. Introduction to the study of dependent, defective and delinquent classes. Revised edition. Boston, 1908. 397 pp.

——, and others. Modern methods of charity; an account of the systems of relief, public and private, in the principal countries having modern methods. New York, 1904. 715 pp.
Bibliography, pp. 689–702.

Hunter, Robert. Poverty. New York, 1904. 382 pp.
Authorities, pp. 361–372.

Loch, C. S. Charity and social life. London, 1910. 496 pp.
An excellent book.

Warner, A. G. American charities. Revised edition. New York, 1908. 510 pp.
A very useful and informing volume.

4. Methods of Poor Relief

Allen, W. H. Modern philanthropy. A study of efficient appealing and giving. New York, 1912. 437 pp.

Brackett, J. R. Supervision and education in charity. New York, 1903. 222 pp.

Clark, A. W. State control and supervision of charities and corrections. Lincoln, 1905. 44 pp. (University of Nebraska Studies, v, pp. 357–400.)

Cleveland. Chamber of Commerce. The Cleveland federation for charity and philanthropy as proposed by the committee on benevolent associations of the Cleveland Chamber of Commerce. Cleveland, 1913. 32 pp.

DEVINE, E. T. Efficiency and relief, a program of social work. New York, 1906. 45 pp.

——. The essentials of a relief policy. Annals of the American Academy of Political and Social Science, xxi, pp. 343–362 (May, 1903).

FOLKS, HOMER. Problems in the administration of municipal charities. *Ibid.*, xxiii, pp. 74–86 (March, 1904).

HALBERT, L. A. Effective charity administration. *Ibid.*, xli, pp. 176–192 (May, 1912).

JOHNSON, ALEXANDER. The almshouse; construction and management. New York, 1911. 263 pp.

LOCH, C. S. Charity organization. 3d edition. London, 1905. 106 pp.

RICHMOND, MARY E. Friendly visiting among the poor. New York, 1899. 225 pp.

——. The good neighbor in the modern city. 5th edition. Philadelphia, 1911. 152 pp.

United States. Bureau of the Census. Summary of state laws relating to the dependent classes, 1913. Washington, 1914. 346 pp.

5. CHILD WELFARE

ADDAMS, JANE. The spirit of youth and the city streets. New York, 1909. 162 pp.

BAKER, S. JOSEPHINE. The division of child hygiene of the department of health of the City of New York. 2d edition. New York, 1913. 116 pp. (New York City. Department of Health. Monograph series no. 4.)

BODINE, W. L. Bodine's reference book on juvenile welfare; a review of the Chicago social service system. Chicago, 1913. 221 pp.

BRECKINRIDGE, SOPHONISBA P., and ABBOTT, EDITH. The delinquent child and the home. With an introduction by Julia C. Lathrop. New York, 1912. 355 pp. (Russell Sage Foundation publication.)

Chicago. School of Civics and Philanthropy. The child in the city. A series of papers presented at the conferences held during the Chicago Child Welfare Exhibit. Chicago, 1912. 502 pp.

Conference on Care of Dependent Children. Proceedings of the conference on the care of dependent children, held at Washington, D. C., January 25, 26, 1909. Washington, 1909. 231 pp. (United States. 60th congress, 2d session. Senate doc. no. 721.)

HART, H. H. Cottage and congregate institutions for children. New York, 1910. 136 pp.

HOLMES, ARTHUR. The conservation of the child. London, 1912. 345 pp.

LEE, JOSEPH. Constructive and preventive philanthropy. New York, 1902. 242 pp.

MANGOLD, G. B. Problems of child welfare. New York, 1914. 522 pp.
Selected bibliography, pp. 493–511.

WEEKS, M. H., editor. Parents and their problems; child welfare in home, school, church and state. 8 vols. Washington, 1914.

See also Crime and Correction, Municipal and Juvenile Courts.

SECTION LX. MUNICIPAL BATHS

1. LISTS OF REFERENCES

GERHARD, W. P. Modern baths and bathhouses. New York, 1908. 311 pp.
Bibliography, pp. 275–281.

New York City. Mayor's Committee on Public Baths and Public Comfort Stations. Report. New York, 1897. 195 pp.
List of references, pp. 181–195.

Russell Sage Foundation. Division of Recreation. Recreation bibliography. New York, 1912. 37 pp. (Pamphlet no. 121.)
Baths, pp. 32–35.

2. General Discussions and Reports

Baker, M. N. Municipal engineering and sanitation. New York, 1906. 317 pp.
Ch. xxix (pp. 206–213), Public baths and washhouses.

Bostwick, A. L. Municipal out-of-door baths. Municipal Journal, xxxiv, pp. 381–382 (March 13, 1913).

Brown, Goodwin. The system of public baths in the United States. Current Literature, xxix, pp. 194–195 (August, 1900).

Cross, A. W. Public baths and washhouses. London, 1906. 281 pp.
A treatise on the planning, design, arrangement, and fitting of public baths. Contains 144 plans of modern bathhouses.

Gerhard, W. P. Modern baths and bathhouses. New York, 1908. 311 pp.

——. The progress of the public bath movement in the United States. 12 pp.
Reprinted from the Metal Worker, Plumber and Steam Fitter, December 12 and 19, 1913.

Hanger, G. W. W. Public baths in the United States. United States Labor Bulletin no. 54, pp. 1245–1367 (September, 1904).
An exhaustive report giving accounts of municipal baths in 37 cities, with details of construction and equipment.

Hartwell, E. M. Public baths in Europe. *Ibid.*, no. 11, pp. 434–486 (July, 1897).
Describes municipal baths in Glasgow, Manchester, London, Berlin, Vienna, Budapest, and other cities.

Lee, Joseph. Constructive and preventive philanthropy. New York, 1902. 242 pp.
Ch. ix (pp. 148–158), Baths and gymnasiums.

Lloyd, Caro. Municipal public baths in England and the United States. Independent, liii, pp. 29–31 (January 3, 1901).

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Public baths, i, pp. 122–123. References, p. 123.

MERO, E. B. How public gymnasiums and baths help to make good citizens. American City, i, pp. 69–76 (October, 1909).

PRITCHARD, E. R. Free public baths. World To-Day, xix, pp. 1162–1163 (October, 1910).

SMITH, F. B. H. Municipal baths in the United States. Outlook, lxxxix, pp. 567–577 (March 4, 1905).

SECTION LXI. THE IMMIGRANT AND MUNICIPAL PROBLEMS

1. LISTS OF REFERENCES

Harvard University. Department of Social Ethics. A guide to reading in social ethics and allied subjects. Cambridge, 1911. 265 pp.
Immigration, pp. 210–215.

REYNOLDS, J. B., editor. Civic bibliography for Greater New York. New York, 1911. 296 pp. (Russell Sage Foundation publication.)
Immigration, pp. 18–26.

United States. Library of Congress. Division of Bibliography. List of books, with references to periodicals, on immigration. Compiled by A. P. C. GRIFFIN. 3d issue, with additions. Washington, 1907. 157 pp.

2. GENERAL DISCUSSIONS

ABBOTT, GRACE. The immigrant and municipal politics. Proceedings, National Municipal League, 1909, pp. 148–156.

BENNET, W. S. Immigrants and crime. Annals of the American Academy of Political and Social Science, xxxiv, pp. 117–124 (July, 1909).

——. The effect of immigration on politics. Proceedings, National Municipal League, 1909, pp. 142–147.

BUSHÉE, F. A. Ethnic factors in the population of Boston. Boston, 1903. 171 pp. (American Economic Association Publications, 3d series, iv, no. 2 (May, 1903).)

COMMONS, J. R. Races and immigrants in America. New York, 1907. 242 pp.
An excellent discussion of the subject in its broader aspects.

FAIRCHILD, H. P. Immigration; a world movement and its American significance. New York, 1913. 455 pp.
The best general book on the subject.

GOODNOW, F. J. Municipal government. New York, 1909. 401 pp.
Ch. iii (pp. 25–44), The character of city populations.

HALL, P. F. Immigration and its effects upon the United States. New York, 1906. 393 pp.
Affected somewhat by the author's bias, but a good study nevertheless.

JENKS, J. W., and LAUCK, W. J. The immigration problem. 3d edition. New York, 1913. 551 pp.

KOHLER, M. J. Some aspects of the immigration problem. American Economic Review, iv, pp. 93–108 (March, 1914).

LEVINE, EMMANUEL. Experiences with immigrants in police courts. Proceedings, National Conference of Charities and Correction, 1909, pp. 242–246.

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Foreign elements in the United States, ii, pp. 30–35. References, p. 35.

Massachusetts. Commission on Immigration. Report on the problem of immigration in Massachusetts. Boston, 1914. 295 pp. (Printed as House doc. no. 2300.)

RINGWALT, R. C. Briefs on public questions. New York, 1911. 229 pp.
The restriction of immigration, pp. 31–41.

ROBERTS, PETER. The new immigration. New York, 1912. 386 pp.

ROSS, E. A. The old world in the new. New York, 1914. 327 pp.

STEINER, E. H. The immigrant tide; its ebb and flow. New York, 1909. 370 pp.

TOBENKIN, ELIAS. The immigrant girl in Chicago. Survey, xxiii, pp. 189–195 (November 6, 1909).

TUPPER, G. W. Foreign-born neighbors. Boston, 1914. 176 pp.

United States. Immigration Commission. Immigrants in cities; a study of the population of selected districts of New York, Chicago, Philadelphia, Boston, Cleveland, Buffalo and Milwaukee. 2 vols. Washington, 1911.

These two volumes contain a compendium of thirty-eight subsequent volumes issued by this commission. They contain the most recent descriptive data.

WHELPLEY, J. D. The problem of the immigrant. London, 1905. 295 pp.

WILLCOX, W. F. Distribution of immigrants. Quarterly Journal of Economics, xx, pp. 523–546 (August, 1906).

WOODS, R. A. Americans in process. Boston, 1902. 359 pp.

Distribution of the immigrants. Proceedings, National Conference of Charities and Correction, 1905, pp. 553–573.

3. FOREIGN RACES IN AMERICAN CITIES

BALCH, EMILY G. Our Slavic fellow citizens. New York, 1910. 536 pp.

BERNHEIMER, C. S., editor. The Russian Jew in the United States. Philadelphia, 1905. 426 pp.

COOLIDGE, MARY R. Chinese immigration. New York, 1909. 531 pp.

FAIRCHILD, H. P. Greek immigration to the United States. New Haven, 1911. 278 pp.

FAUST, A. B. The German element in the United States. 2 vols. Boston, 1909.

JOHNSON, S. C. A history of emigration from the United Kingdom to North America, 1763–1912. London, 1913. 387 pp.

JOSEPH, SAMUEL. Jewish immigration to the United States from 1881 to 1910. New York, 1914. 209 pp. (Columbia University Studies in History, Economics, and Public Law, lix, no. 4.)

LORD, ELIOT, TRENOR, J. J. D., and BARROWS, S. J. The Italian in America. New York, 1905. 268 pp.

See also Social Surveys.

SECTION LXII. SOCIAL ENGINEERING AND NEIGHBORHOOD WORK

1. Lists of References

Chicago. School of Civics and Philanthropy. City welfare aids and opportunity. Chicago, 1911. 76 pp.

Harvard University. Department of Social Ethics. A guide to reading in social ethics and allied subjects. Cambridge, 1910. 265 pp.

Social settlements, pp. 75–80.

Woods, R. A., and Kennedy, A. J., editors. Handbook of settlements. New York, 1911. 360 pp. (Russell Sage Foundation publication.)

2. Social Engineering

Allen, W. H. Efficient democracy. New York, 1907. 346 pp.

Barnett, S. A. Towards social reform. New York, 1909. 352 pp.

Bartlett, D. W. The better city. A sociological study of a modern city. Los Angeles, 1907. 248 pp.

Beard, C. A. American city government. New York, 1912. 420 pp.

Ch. i (pp. 3–30), The people of the city.

Cleveland. Federation for Charity and Philanthropy. The social yearbook; the human problems and resources of Cleveland. Cleveland, 1913. 238 pp.

Dawson, W. H. Municipal life and government in Germany. London, 1914. 507 pp.

Ch. xi (pp. 279–310), Social welfare work.

Devine, E. T. The spirit of social work. New York, 1911. 231 pp.

Containing addresses under the following titles: to social workers; the conservation of human life; the tenement home in modern cities; the substantial value of woman's vote; the attitude of society towards the criminal; the correction and prevention of crime; the problem of the police; the religious treatment of poverty; the dominant note of the modern philanthropy; the next quarter-century.

Earp, E. L. The social engineer. New York, 1911. 326 pp.

FOSS, WILLIAM, and WEST, JULIUS. The social worker and modern charity. London, 1914. 220 pp. (The Social Workers series.)

GOODNOW, F. J. Social reform and the constitution. New York, 1911. 365 pp.

NEARING, SCOTT. Social adjustment. New York, 1911. 377 pp.

New York City. Charity Organization Society. Department for the Improvement of Social Conditions. Improving social conditions in New York City. Annual report, 1912–1913. New York, 1913. 34 pp.

POLLOCK, H. M., and MORGAN, W. S. Modern cities. New York, 1913. 418 pp.

Ch. xvi (pp. 348–376), Conditions and methods of social progress in American cities.

POST, L. F. Social service. New York, 1909. 361 pp.

ROBINSON, C. M. The call of the city. New York, 1908. 103 pp.

RUBINOW, I. M. Social insurance; with special reference to American conditions. New York, 1913. 525 pp.

TOLMAN, W. H. Social engineering. New York, 1909. 384 pp.

3. SOCIAL SETTLEMENTS

ADDAMS, JANE. Democracy and social ethics. New York, 1902. 281 pp.

——. Newer ideals of peace. New York, 1907. 243 pp.

——. The spirit of youth and the city streets. New York, 1909. 162 pp.

——. Twenty years at Hull House. New York, 1911. 462 pp.

BOOTH, CHARLES. Life and labor of the people in London. 7 vols. London, 1902.

Vol. vii, Summary. Ch. ix (pp. 377–393), Settlements.

COLE, W. I. Motives and results of the social settlement movement. Cambridge, 1908. 36 pp. (Harvard University. Department of Social Ethics. Publications, no. 2 (1908).)

HENDERSON, C. R. Social settlements. New York, 1899. 196 pp.

Treats briefly of beginnings in America and England.

PICHT, WERNER. Toynbee Hall and the English settlement movement. London, 1914. 248 pp.

SIMKHOVITCH, MARY K. Settlement organization. Charities and the Commons, xvi, pp. 566–569 (September 1, 1906).

TAYLOR, GRAHAM. Whither the settlement movement tends. *Ibid.*, xv, pp. 840–844 (March 3, 1906).

URWICK, E. J., and WOODS, R. A. The settlement movement in England and America. Quarterly Review, ccxxi, pp. 216–232 (July, 1914).

WALD, LILLIAN D. The house in Henry Street. Atlantic Monthly, cxv (1915).

Issued serially beginning with March, 1915; to be published in book form.

WHITE, G. S. The social settlement after twenty-five years. Harvard Theological Review, iv, pp. 47–70 (January, 1911).

WOODS, R. A., and KENNEDY, A. J. The settlement horizon. New York, 1916. (Russell Sage Foundation publication.)

In preparation.

SECTION LXIII. SOCIAL SURVEYS

1. LIST OF REFERENCES

Russell Sage Foundation. Library. The social survey, a bibliography. Compiled by Z. L. POTTER. New York, 1913. 8 pp. (Russell Sage Foundation. Library Bulletin no. 2 (December, 1913).)

2. METHODS AND AIMS OF SOCIAL SURVEYS

ARONOVICI, CAROL. Knowing one's own community; suggestions for social surveys of small cities or towns. Boston, 1912. 77 pp. (American Unitarian Association. Department of Social and Public Service. Social Service series no. 20.)

BYINGTON, MARGARET F. What social workers should know about their own communities. New York, 1911. 42 pp. (Russell Sage Foundation publication.)

GILLIN, J. L. The application of the social survey to small communities. Papers and Proceedings, American Sociological Society, vi, pp. 70–81 (1911).

See also American Journal of Sociology, xvii, pp. 647–658 (March, 1912).

HARRISON, S. M. The development of social surveys. New York, 1913. 12 pp. (Russell Sage Foundation. Department of Surveys and Exhibits publication.)

KELLOGG, P. U., and others. The social survey. New York, 1912. 62 pp. (*Ibid.*)

WILSON, W. H. Community study by groups for cities; a practical scheme for the investigation of the problems of the large town or city ward from the point of view of the church and its work. New York, 1911. 119 pp.

WOODS, R. A., editor. Americans in process. Boston, 1902. 389 pp.

——. The city wilderness. Boston, 1898. 319 pp.

Two admirably coherent and comprehensive surveys of community life and progress.

3. SURVEYS IN AMERICAN CITIES

Austin, Texas. HAMILTON, B. Social survey of Austin. Austin, 1913. 89 pp. (University of Texas Bulletin. Humanistic series no. 15.)

Kansas City, Mo. Board of Public Welfare. Research Bureau. Social prospectus of Kansas City, Mo. Kansas City, 1913. 104 pp.

Lawrence, Mass. White Fund Trustees. The report of the Lawrence survey. Lawrence, 1911. 263 pp.

Los Angeles, Cal. BARTLETT, D. W. The better city; a sociological study of a modern city. Los Angeles, 1907. 248 pp.

Lowell, Mass. KENNGOTT, G. F. The record of a city; a social survey of Lowell, Mass. New York, 1912. 257 pp.

Newburgh, N. Y. Russell Sage Foundation. Department of Surveys and Exhibits. The Newburgh survey; reports of limited investigations of social conditions in Newburgh, New York. New York, 1913. 103 pp.

New Haven, Conn. FAIRCHILD, H. P. Industrial survey of a New Haven district. New Haven, 1913. 14 pp. (New Haven Civic Federation. Doc., 1913, no. 11.)

Newport, R. I. ARONOVICI, CAROL. The Newport survey of social problems. Newport, 1911. 59 pp.

New York City. JONES, T. J. The sociology of a New York city block. New York, 1904. 133 pp. (Columbia University Studies in History, Economics and Public Law, xxi, no. 2.)

Pittsburgh.

HOLDSWORTH, J. T. Economic survey of Pittsburgh. Pittsburgh, 1912. 229 pp.

KELLOGG, P. U., editor. The Pittsburgh survey. Findings in 6 vols. New York, 1909–1914. (Russell Sage Foundation publication.)

The most comprehensive and scientific social survey yet undertaken in any American city.

Providence, R. I. KIRK, WILLIAM, editor. The modern city, Providence, R. I., and its activities. Chicago, 1909. 363 pp.

Scranton, Pa. Russell Sage Foundation. Department of Surveys and Exhibits. Scranton in quick review. Scranton, 1913. 31 pp.

See also The Immigrant and Municipal Problems.

SECTION LXIV. FREE EMPLOYMENT AGENCIES AND PLACEMENT BUREAUS

1. LISTS OF REFERENCES

Chicago. School of Civics and Philanthropy. Finding employment for children who leave the grade schools to go to work. Chicago, 1911. 56 pp.

Selected bibliography relating to employment supervision, pp. 53–56.

TAYLOR, F. J. A bibliography of unemployment and the unemployed. London, 1909. 71 pp.

2. GENERAL DISCUSSIONS AND REPORTS

BEVERIDGE, W. H. Unemployment; a problem of industry. 3d edition. New York, 1913. 405 pp.

BOGART, E. L. Public employment offices in the United States and Germany. In Trade unionism and labor problems, edited by J. R. Commons, ch. xxviii (pp. 603–626). Boston, 1905. 628 pp.

Chicago. School of Civics and Philanthropy. Finding employment for children who leave the grade schools to go to work. Chicago, 1911. 56 pp.

Connecticut. Bureau of Labor Statistics. Free public employment bureaus. Labor Bulletin no. 2 (pp. 62–73), 1908, and no. 3 (pp. 46–64), 1909.

CONNER, J. E. Free public employment offices in the United States. Washington, 1907. 115 pp. (United States Bureau of Labor. Bulletin, 1907, no. 68.)

DEVINE, E. T. Report on the desirability of establishing an employment bureau in the city of New York. New York, 1909. 238 pp. (Russell Sage Foundation publication.)

FRANKLIN, ROBERT. Schoolhouses as employment agencies. Technical World, xix, pp. 268–270 (April, 1913).

GREENWOOD, ARTHUR. Juvenile labour exchanges and after-care. London, 1911. 112 pp.
Bibliography, pp. 101–112.

Iowa. Bureau of Labor Statistics. Free employment offices. Ninth biennial report, pp. 546–562 (1899–1900).

KELLOR, F. A. Out of work; a study of employment agencies; their treatment of the unemployed. New York, 1904. 292 pp.

KING, F. A. Citizens' free employment bureau. Milwaukee, 1911. 15 pp. (Milwaukee Bureau of Economy and Efficiency. Bulletin no. 6.)

LEISERSON, W. M. Theory of public employment offices and the principles of their practical administration. Political Science Quarterly, xxix, pp. 28–46 (March, 1914).

Massachusetts. Bureau of Statistics of Labor. Free employment offices in the United States. Labor Bulletin, xi, pp. 330–343 (June, 1907).
See also its Thirty-fourth annual report, pp. 131–213 (March, 1904).

——. Commission to Investigate Employment Offices. Report, January 10, 1912. Boston, 1912. 63 pp. (House doc. no. 1651.)

Minneapolis. Bureau of Labor. Free public employment bureaus. Tenth biennial report, pp. 414–427 (1905/06).

NUNN, T. H. Municipal labour bureaux. In Methods of social advance, edited by C. S. Loch, ch. ix (pp. 96–106). London, 1904. 192 pp.

SARGENT, F. B. Statistics of unemployment and the work of employment offices. Washington, 1912. 147 pp. (United States Bureau of Labor. Bulletin whole no. 109; miscellaneous series no. 1.)

WARD, E. J., editor. The social center. New York, 1913. 359 pp.

Ch. xvi (pp. 271–282), The vocation center and employment bureau.

3. EUROPEAN METHODS

BLISS, W. D. P. What is done for the unemployed in European countries. United States Bureau of Labor, Bulletin, 1908, no. 76, pp. 741–934.

France. Direction du Travail. Les bureaux municipaux de placement en Allemagne. Paris, 1910. 46 pp.

——. ——. Les bureaux municipaux de placement à Paris en 1909. Paris, 1910. 30 pp.

GORDON, M. M. O. Juvenile employment bureaux. Contemporary Review, xcix, pp. 723–732 (June, 1911).

PINGAULT et SAUVAGE. Bureaux municipaux de placement. Travaux de la Chambre de Commerce de Paris, 1911, pp. 212–234.

SCHMIT, ERIC. Organisation des bureaux de placement municipaux en Allemagne. Paris, 1913. 436 pp.

SECTION LXV. MUNICIPAL THEATRES

CAIRD, WILLIAM. A plea for national and municipal theatres. Westminster Review, clxxix, pp. 562–574 (May, 1913).

DENNIS, A. L. P. The Northampton (Mass.) municipal theatre. Independent, lviii, pp. 1343–1347 (June 15, 1905).

MACKAYE, PERCY. The civic theatre in relation to the redemption of leisure. New York, 1913. 308 pp.

PIERCE, L. F. First municipal theatre in America. World To-Day, viii, pp. 664–665 (June, 1905).

RUSSELL, ISAAC. Pioneer municipal theatre and its lesson. Craftsman, xix, pp. 563–568 (March, 1911).

First municipal theatre. Northampton, Mass. Municipal Journal, xxxiv, p. 124 (January 23, 1913).

Municipal theatre and concert hall. Denver, Colo. American City, ii, pp. 207–208 (May, 1910).

SECTION LXVI. CENSORSHIP OF AMUSEMENTS

1. MOTION PICTURES

(*a*) *Lists of references*

MEYER, H. H. B., compiler. Select list of references on motion pictures. Special Libraries, iii, pp. 154–158 (September, 1912).

——. List of references on motion pictures, supplementing list published in Special Libraries, September, 1912. *Ibid.*, v, pp. 107–113 (September, 1914).

(*b*) *General discussions*

BARTHOLEMEW, R. O. Report of censorship of motion pictures and of investigation of motion picture theatres of Cleveland. Cleveland, 1913. 32 pp.

BOSTWICK, A. L. Censorship of moving picture films. National Municipal Review, ii, pp. 332–333 (April, 1913).

COLLIER, JOHN. Movies and the law. Survey, xxvii, pp. 1628–1629 (January 20, 1912).

See also *Ibid.*, xxix, pp. 643–644 (February 8, 1913).

FISHER, BOYD. Regulation of motion picture theatres. American City, viii, pp. 520–522 (December, 1912).

HOWE, F. C. What to do with the motion-picture show; shall it be censored? Outlook, cvii, pp. 412–416 (June 20, 1914).

LEVIEN, SONYA. New York's motion picture law. *Ibid.*, ix, pp. 319–321 (October, 1913).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.

Regulation of public amusements, i, pp. 40–41.

National Board of Censorship of Motion Pictures. Suggestions for a model ordinance for regulating motion picture theatres. New York, 1913. 15 pp.

National Board of Fire Underwriters. Suggested ordinance to regulate the installation, operation and maintenance of motion picture machines. New York, 1912. 8 pp.

Adopted by the National Board of Fire Underwriters and the National Fire Protection Association.

New York City. Committee on Laws and Legislation. Report on ordinances in relation to motion picture theatres in New York City. City Record, xl, pp. 10408–10412 (December 19, 1912).

——. Report of the majority and minority of the Committee on Laws and Legislation submitting the Folks ordinance providing for the regulation of moving picture theatres. *Ibid.*, xli, pp. 4296–4299 (May 8, 1913).

——. Mayor Gaynor's message vetoing the Folks moving picture ordinance, June 3, 1913. *Ibid.*, xli, pp. 5279–5282 (June 4, 1913).

2. Dance Halls

Chicago. Municipal Reference Library. Municipal dance halls. Chicago, 1914. 10 pp. (Municipal Reference Bulletin no. 2 (March, 1914).)

Shows who controls and supervises dance halls in several of the largest cities; for example, in Boston, Cincinnati, Cleveland, Denver, Milwaukee, San Francisco.

Cleveland. Report of R. O. Bartholomew, dance hall inspector. Cleveland, 1912. 16 pp.

Israels, Mrs. C. H. The dance problem. Proceedings, National Conference of Charities and Correction, 1912, pp. 140–146.

Cleveland's municipal dancing pavilions. American City, x, pp. 34–35 (January, 1914).

See also Outlook, ci, pp. 902–903 (August 24, 1912).

Licensing dance halls. Survey, xxvi, pp. 12–13, 345–346 (April 1, June 5, 1911); xxviii, pp. 788–789 (September 28, 1912).

See also Schools as Social Centers.

SECTION LXVII. BILLBOARD REGULATION

ALLEN, E. R. Regulation and inspection of billboards. Chautauquan, li, pp. 70–75 (June, 1908).

Chicago. City Club. Billboards and other forms of outdoor advertising. Bulletin, v, pp. 393–408 (December 15, 1912).

FOSDICK, R. B. An investigation of billboard advertising. New York, 1912. 39 pp.

A pamphlet discussing the extent of billboard advertising in New York City; the legal control of billboards and sky signs; violations of the law; the classes of advertisements displayed; the necessity for regulation.

——. Big billboards in big cities. American City, vii, pp. 511–517 (December, 1912).

Great Britain. Advertisements regulation act of 1913. Municipal Journal (London), xxii, p. 243 (February 12, 1913).

HURST, C. B. The high French tax on signboards. Municipal Engineering, xliii, p. 264 (November, 1912).

LAKE, H. F. The billboard nuisance in St. Louis. American City, v, pp. 219–224 (November, 1910).

MCFARLAND, J. H., and others. Billboards *v.* beauty. Public indictments of the billboard. Chautauquan, li, pp. 18–81 (June, 1908).

New York City. Report of the Mayor's Billboard Commission. New York, 1913. 151 pp.

The best discussion of the whole billboard problem. A chapter is devoted to the legal rights of the city in connection with the regulation of billboards, a review of all the important decisions being included in this discussion. Pt. ix and x, entitled "Regulation by taxation" and "Municipal regulations in New York and other American cities," may be commended to all persons interested in this general subject as containing a good concise review of regulation-ordinances now in force among various American cities. The report includes the draft of a statute embodying the commission's recommendations for New York City.

PECK, J. W. Cincinnati's new billboard regulations. American City, ii, pp. 11–14 (January, 1910).

ROBINSON, C. M. The artistic possibilities of advertising. Atlantic Monthly, xciv, pp. 53–60 (July, 1904).

St. Louis. Civic League. Billboard advertising in St. Louis. St. Louis, 1910. 40 pp.

SADLER, L. R. The history of signboards from earliest times to the present day. London, 1908. 536 pp.

SELBY, MARK. The iconoclast of sensibility again. Century Magazine, lxxxi, pp. 638–640 (February, 1911).

WOODRUFF, C. R. The billboard nuisance. Washington, 1908. 48 pp.

A pamphlet issued by the American Civic Association to afford a summary of the arguments advanced against objectionable billboards, and to furnish suggestions as to the most available ways and means for the curtailment and elimination of the evil.

See also City Planning.

SECTION LXVIII. BUREAUS OF MUNICIPAL RESEARCH

1. LIST OF REFERENCES

KAISER, J. B. Law, legislative and municipal reference libraries; an introductory manual and bibliographical guide. Boston, 1914. 467 pp.

Municipal reference libraries and research bureaus: a bibliography, pp. 423–431.

2. GENERAL DISCUSSIONS

CERF, MYRTILE. Bureaus of public efficiency; study of the purpose and methods of organization. National Municipal Review, ii, pp. 39–47 (January, 1913).

CLEVELAND, F. A. Chapters on municipal administration and accounting. New York, 1910. 361 pp.

Ch. xxi (pp. 346–361), An agency of citizen inquiry; the bureau of municipal research.

KAISER, J. B. Law, legislative and municipal reference libraries. Boston, 1914. 467 pp.

——. Scientific law-making. Independent, lxxv, pp. 641–642 (September 11, 1913).

LEONHAUSER, W. L. A national fund for promoting efficient municipal accounting and reporting. (Herman A. Metz Fund.) Annals of the American Academy of Political and Social Science, xli, pp. 304–306 (May, 1912).

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Bureaus of municipal research, ii, pp. 487–488. References, p. 488.

Merriam, C. E. Investigations as a means of securing administrative efficiency. Annals of the American Academy of Political and Social Science, xli, pp. 281–303 (May, 1912).

Sait, E. M. Research and reference bureaus. National Municipal Review, ii, pp. 48–56 (January, 1913).
Contains a list of private, public and academic agencies.

3. Bureaus in American Cities

Cincinnati, Ohio.

Bureau of Municipal Research. Its first year's work. Cincinnati, 1910. 31 pp.
See also its Annual report for 1910–1911 and report for the two years ending June 30, 1913.

Miles, R. E. The Cincinnati Bureau of Municipal Research. Annals of the American Academy of Political and Social Research, xli, pp. 262–269 (May, 1912).

Dayton, Ohio. Bureau of Municipal Research. The Dayton Bureau of Municipal Research. Dayton, 1913. 8 pp. (Efficient City Management bulletin.)

Memphis, Tenn. Bureau of Municipal Research. Story of the Memphis Bureau of Municipal Research. Memphis, 1910. 16 pp.

Milwaukee, Wis.

Commons, J. R. Eighteen months' work of the Milwaukee Bureau of Economy and Efficiency. Milwaukee, 1912. 44 pp. (Milwaukee Bureau of Economy and Efficiency. Bulletin no. 19 (April 15, 1912).)

Rastall, B. M. Plan and methods in municipal efficiency. Milwaukee, 1911. 30 pp. (*Ibid.* Bulletin no. 1 (May, 1911).)

Treleven, J. E. The Milwaukee Bureau of Economy and Efficiency. Annals of the American Academy of Political and Social Science, xli, pp. 270–278 (May, 1912).

New York City.

BRUÈRE, HENRY. Bureau of Municipal Research and better government in New York City. World's Work, xxiii, pp. 683–686 (April, 1912).

Bureau of Municipal Research. Six years of municipal research for New York City. Record for 1906–1911. New York, 1912. 80 pp.

HOPKINS, G. B. The New York Bureau of Municipal Research. Annals of the American Academy of Political and Social Science, xli, pp. 235–244 (May, 1912).

Philadelphia.

Bureau of Municipal Research. Business methods in public business: purposes and program of the Bureau of Municipal Research of Philadelphia. Philadelphia, 1910. 20 pp.

BURKS, J. D. Outlook for municipal efficiency in Philadelphia. (Philadelphia Bureau of Municipal Research.) Annals of the American Academy of Political and Social Science, xli, pp. 245–261 (May, 1912).

SECTION LXIX. AGENCIES OF INSTRUCTION IN MUNICIPAL GOVERNMENT

ALLEN, W. H. Training men and women for public service. (The New York Bureau of Municipal Research and Training School for Public Service.) Annals of the American Academy of Political and Social Science, xli, pp. 307–312 (May, 1912).

CONNOLLY, LOUISE. Sane methods of civic education. National Municipal Review, iii, pp. 340–345 (April, 1914).

CRECRAFT, E. A. The municipal reference library. *Ibid.*, ii, pp. 644–652 (October, 1913).

FITZPATRICK, E. A. University training for public service. American Political Science Review, viii, pp. 674–679 (November, 1914).

GILBERTSON, H. S. Public administration — a new profession. Review of Reviews, xlvii, pp. 599–602 (May, 1913).

HASSE, ADELAIDE R. Schools giving instruction in municipal administration in Germany. National Municipal Review, iii, pp. 402–403 (April, 1914).
A list with brief notes.

HEATON, J. P. School for mayors. (The New York Bureau of Municipal Research and Training School for Public Service.) Survey, xxvii, pp. 1340–1341 (December 9, 1911).

JAMES, H. G. The city's need, the university's opportunity. American City, x, pp. 247–249 (March, 1914).

JENKS, J. W. Coöperation between city governments and universities. National Municipal Review, iii, pp. 764–766 (October, 1914).

KAISER, J. B. Law, legislative and municipal reference libraries. Boston, 1914. 467 pp.
University bureaûs, pp. 243–245; pp. 259–261 contain a list of municipal reference libraries.

KING, C. L. Training for the municipal service in Germany. New York, 1914. 14 pp.
Printed by the American Society of Mechanical Engineers.

MUNRO, W. B. The present status of instruction in municipal government in the universities and colleges of the United States. Philadelphia, 1908. 20 pp. (Reprinted from the Proceedings, National Municipal League, 1908, pp. 348–366.)

——. Instruction in municipal government in the universities and colleges of the United States. National Municipal Review, ii, pp. 427–438 (July, 1913).

New York City. Bureau of Municipal Research. Training school for public service. Annual reports. First, 1911–12. New York, 1912–.

SAIT, E. M. Research and reference bureaus. National Municipal Review, ii, pp. 48–56 (January, 1913).
Contains a list, and brief description, of the academic agencies of instruction.

Düsseldorf's municipal college. National Municipal Review, i, pp. 306–307 (April, 1912).
See also, The new academy of municipal administration in Düsseldorf, *Ibid.*, ii, pp. 501–503 (July, 1913).

Agencies of instruction in the form of bureaus of municipal research and reference have been established at the following universities, and their work has been outlined in the references given below:

Bowdoin College. Bureau of Research in Municipal Government.

College of the City of New York.

Permanent municipal budget exhibit. National Municipal Review, i, p. 733 (October, 1912).

Columbia University. Politics Laboratory.

Grinnell College (Iowa). Bureau of Public Service.

Harvard University. Bureau for Research in Municipal Government. National Municipal Review, i, pp. 307–308 (April, 1912); iii, p. 611 (July 1914).

——. ——, and Graduate School of Business Administration.

Goodwin, E. H. The training of secretaries for civic and commercial organizations. *Ibid.*, ii, pp. 713–714 (October, 1913).

Indiana University. State Bureau of Legislative and Administrative Reference.

University of California. Bureau of Municipal Research.

Preliminary announcement of the Bureau of Municipal Research, 1913–1914. Berkeley, 1913. 6 pp.

University of Cincinnati. Municipal Reference Bureau. Descriptive pamphlet. Cincinnati. 8 pp.

University of Illinois. Municipal Bureau.

University of Kansas. Municipal Reference Bureau.

Price, R. R. Report of the secretary-treasurer. Proceedings, League of Kansas Municipalities, iii, pp. 17–18 (October, 1911).

University of Michigan.

University of Minnesota. Municipal Reference Bureau. Library of Municipal Documents. Library Journal, xxxvii, p. 566 (October, 1912).

University of Oregon.

University of Texas. Bureau of Municipal Research and Reference.

The Bureau of Municipal Research and Reference at the University of Texas. National Municipal Review, ii, pp. 714–715 (October, 1913).

James, H. G. A municipal survey as university graduate work. *Ibid.*, ii, pp. 710–711 (October, 1913).

University of Washington. Extension Division. Bureau of Municipal Research. Circular, 1912. Seattle, 1912. 8 pp.

University of Wisconsin. Extension Division. Municipal Reference Bureau.

MacGregor, F. H. What Wisconsin is doing for its cities. National Municipal Review, i, pp. 378–385 (July, 1912).

The Municipal Reference Bureau. Municipality, xii, pp. 52–56 (September, 1911).

The Municipal Reference Bureau of Wisconsin. American City, ii, pp. 65–68 (February, 1910).

University of Wisconsin (continued).
The Municipal Reference Bureau. Madison, 1909. (University of Wisconsin. Extension Division. Bulletin, serial no. 320; general series no. 186 (September, 1909).)
Western Reserve University. Library of Research in Government.
Whitman College. Municipal Reference Department.

See also Library Administration.

CHAPTER IX

MUNICIPAL FINANCE

SECTION LXX. GENERAL PROBLEMS OF FINANCE

1. Lists of References

Brooks, R. C. A bibliography of municipal problems and city conditions. 2d edition. New York, 1901. 346 pp.
Finance, pp. 70–75.

New York City. Public Library. Check list of American municipal official documents relating to finance, in the New York Public Library. Bulletin, vi, pp. 315–327 (August, 1902).

Stammhammer, Josef. Bibliographie der Finanzwissenschaft. Jena, 1903. 415 pp.

United States. Library of Congress. Division of Bibliography. Select list of references on municipal finance and taxation. Washington, 1912. 7 pp. (typewritten).

2. General Discussions

Bastable, C. F. Public finance. 3d edition. New York, 1903. 780 pp.

Bullock, C. J. Selected readings in public finance. Boston, 1906. 671 pp.

Fisher, E. D. Municipal financing. New York, 1913. 31 pp.
An address delivered before the annual convention of the Investment Bankers' Association of America, held at Chicago, October 29, 1913.

Goodnow, F. J. City government in the United States. New York, 1906. 315 pp.
Ch. xvi (pp. 361–376), Financial administration. See also his Municipal government, ch. xiii (pp. 286–301), Financial administration. New York, 1909. 401 pp.

Plehn, C. C. Introduction to public finance. 2d edition. New York, 1909. 480 pp.

3. Financial Histories of Individual Cities [1]

Baltimore. Hollander, J. H. Financial history of Baltimore. Baltimore, 1899. 397 pp. (Johns Hopkins University. Studies in Historical and Political Science, extra vol. xx.)

Boston. Huse, C. P. The financial history of Boston. Cambridge, 1915. (Harvard Economic Studies.)

Chicago. Sparling, S. E. Municipal history and present organization of the city of Chicago. Madison, 1898. 188 pp. (University of Wisconsin. Bulletin no. 23.)

Cleveland. Williamson, C. C. The finances of Cleveland. New York, 1907. 267 pp. (Columbia University Studies in History, Economics and Public Law, xxv, no. 3.)

Denver, Colo. King, C. L. The history of the government of Denver, with special reference to its relations with public service corporations. Denver, 1911. 322 pp.

Milwaukee, Wis. Larson, L. M. A financial and administrative history of Milwaukee. Madison, 1908. 182 pp. (Bulletin of the University of Wisconsin, no. 242 (June, 1908).)

New York City.

Durand, E. D. The finances of New York City. New York, 1898. 397 pp.

Ma, Yin Ch'u. The finances of the city of New York. New York, 1914. 312 pp. (Columbia University Studies in History, Economics and Public Law, lxii.)

[1] Some data relating to the financial history of cities may also be found in the various financial histories of states, for example: —

California. Frankhauser, W. C. A financial history of California. Berkeley, 1913. 310 pp. (University of California. Publications in Economics, iii, no. 2, pp. 101–408, 408*a–d*.)

Kansas. Boyle, J. E. The financial history of Kansas. Madison, 1905. 178 pp. (Bulletin of the University of Wisconsin, no. 247 (August, 1908).)

Minnesota. Robinson, E. V. The cost of government in Minnesota. Third biennial report, Minnesota Tax Commission, pp. 245–587 (1912).

Wisconsin. Phelan, R. V. The financial history of Wisconsin. Madison, 1908. 293 pp. (Reprinted from Bulletin of the University of Wisconsin, Economics and Political Science series, ii.)

Providence, R. I.

STOKES, H. K. The finances and administration of Providence. Baltimore, 1903. 464 pp. (Johns Hopkins University. Studies in Historical and Political Science, extra vol. xxv.)

See also above, pp. 9–13.

4. General Sources of Municipal Revenue

Baltimore. Advisory Committee on Taxation and Revenue. Report. Baltimore, 1908. 152 pp.

FAIRLIE, J. A. Essays in municipal administration. New York, 1908. 374 pp.

Ch. x (pp. 173–218), Revenue system of American and foreign cities. See also his Municipal administration, ch. xv (pp. 335–358), Municipal revenues. New York, 1906. 448 pp.

HOWE, F. C. The city, the hope of democracy. New York, 1906. 319 pp.

Ch. xviii (pp. 262–279), The revenues of the city.

——. European cities at work. New York, 1913. 370 pp.

Ch. xi (pp. 189–207), New sources of revenue; the unearned increment.

——. The modern city and its problems. New York, 1915. 390 pp.

Ch. xxiii (pp. 346–366), New sources of city revenue.

MERRIAM, C. E. Report of an investigation of the municipal revenues of Chicago. 2d edition. Chicago, 1906. 161 pp. (City Club of Chicago. Publication no. 2.)

——. Revenues and expenditures of American and European cities. University of Chicago Magazine, ii, pp. 141–147 (March, 1910).

New York City. Commission on New Sources of City Revenue. Report. New York, 1913. 116 pp.

SWAN, H. S. New sources of city revenue. National Municipal Review, ii, pp. 539–540 (July, 1913).

UPSON, L. D. Sources of municipal revenues in Illinois. Urbana, 1912. 126 pp. (University of Illinois. Studies in the Social Sciences.)

WILCOX, D. F. The American city; a problem in democracy. New York, 1911. 423 pp.

Ch. xii (pp. 341–385), Municipal revenues.

See also Special Assessments, Municipal Taxation.

SECTION LXXI. ASSESSMENTS

1. General Discussions and Descriptions of Real Estate Assessment

Bernard, A. D. Some principles and problems of real estate valuation. Baltimore, 1913. 150 pp.

Boyle, J. E. Methods of assessments as applied to different classes of subjects. Columbus, 1907. 40 pp.
Reprinted from Addresses and proceedings of the National Conference on State and Local Taxation, 1907, pp. 128–167.

Brindley, J. E. State supervision of county assessment and taxation. Annals of the American Academy of Political and Social Science, xlvii, pp. 213–226 (May, 1913).

Connecticut. Tax Commissioner. Information relative to the assessment and collection of taxes. Hartford, 1908. 39 pp.

Cowles, H. V., and Leenhouts, J. H. How to assess property in cities and rural towns. Madison, 1914. 62 pp.

Doty, E. W., and others. Assessment of real estate for purposes of taxation. Philadelphia, 1913. 32 pp. (Philadelphia City Club. Bulletin, vi, pp. 319–350 (March 4, 1913).)

Harrison, S. M. The disproportion of taxation in Pittsburgh. Annals of the American Academy of Political and Social Science, lviii, pp. 168–182 (March, 1915).

Hurd, R. M. Principles of city land values. 3d edition. New York, 1911. 159 pp.

King, W. I. The valuation of urban realty for purposes of taxation, with certain sections especially applicable to Wisconsin. Madison, 1914. 113 pp. (University of Wisconsin. Bulletin no. 689.)

Marsh, B. C. Taxation of land values in American cities. New York, 1911. 112 pp.

Pleydell, A. C. The use of standards in real estate assessment. New York, 1909. 12 pp. (Publication of the New York Tax Reform Association.)
Reprint of an address at the 16th annual meeting of the Ohio State Board of Commerce, November 10, 1909.

TINDALL, WILLIAM, compiler. Methods of municipal taxation and assessment in the District of Columbia. Washington, 1908. 44 pp.

United States. Bureau of the Census. Assessed valuation of property, basis of assessment, and taxes levied: 1910. Washington, 1912. (Various paging.)

Reprint of pp. 65–68, 87, and 232–247 of Bureau of Census Report of financial statistics of cities having a population of over 30,000 in 1910.

WEBB, C. A. Valuation of real property; a guide to the principles of valuation of land and buildings, etc., for various purposes, including the taxation of land values. 2d edition. London, 1910. 332 pp.

See also the Addresses and proceedings of the National Tax Association (first, 1907), especially the Proceedings for 1913. Columbus, 1907–.

In 1908 the name of the association was changed to International Tax Association. In September, 1911, the original name was resumed.

2. ASSESSMENT REFORM

BLANKENBURG, RUDOLPH. Equalization of assessments and new sources of revenue in Philadelphia. Address to the Business Men's Association of Philadelphia, January 20, 1913. Philadelphia, 1913. 32 pp.

——. Real estate and its taxation in Philadelphia. Questions and answers relating to a proposed system of assessment. Philadelphia, 1913. 56 pp.

National Tax Association. Addresses and proceedings, National Conferences on State and Local Taxation. First, 1907.

Each volume contains various papers, reports, discussion on assessment methods and reform. See Williamson, C. C., below, p. 395.

New Jersey. Report on the commission to investigate tax assessments in the state of New Jersey, 1912. Trenton, 1913. 64 pp.

Virginia. Report to the general assembly of Virginia by the tax commission appointed to make an investigation of the system of assessment, revenue and taxation now in force in this state. Richmond, 1911. xlviii, 369 pp.

3. The Somers System of Assessment

Doty, E. W. Assessment work under the Somers system. American City, vii, pp. 239–241 (September, 1912).

Kennan, K. K. Report of the Merchants' and Manufacturers' Association of Milwaukee on the Somers unit system. Milwaukee, 1911. 28 pp.

Lutz, H. L. Somers system of realty valuation. Quarterly Journal of Economics, xxv, pp. 172–181 (November, 1910).

Manufacturers' Appraisal Company (Cleveland). The Somers unit system of realty valuation; brief explanation of the application of the plan to actual conditions as operated by the Manufacturers' Appraisal Company under the personal supervision of Mr. W. A. Somers. Philadelphia, 1910. 24 pp.

Pleydell, A. C. The Somers system. Proceedings, Seventh Annual Conference of the National Tax Association, pp. 267–281 (1913).

Somers, W. A. The valuation of real estate for taxation. National Municipal Review, ii, pp. 230–238 (April, 1913).

——. How property values are determined under the Somers system. American City, vii, pp. 241–242 (September, 1912).

See also Somers System News. Vol. i, no. 1, October, 1912. Cleveland. Published irregularly.

Vol. i, no. 4, is dated August, 1914.

SECTION LXXII. SPECIAL ASSESSMENTS

1. General Discussions

Lewis, N. P. Paying the bills for city planning. Proceedings, Fourth National Conference on City Planning, pp. 43–56 (1912).

May, J. A. Financing special assessments. Chicago's method and experience. Proceedings, National Association of Comptrollers and Accounting Officers, i, pp. 21–31 (1906).

Ormond, W. C. Assessments for local improvements. New York, 1914. 32 pp.

PURDY, LAWSON. Condemnation, assessment and taxation in relation to city planning. Proceedings, Third National Conference on City Planning, pp. 118–130 (1911).

SELIGMAN, E. R. A. Essays in taxation. 8th edition. New York, 1913. 707 pp.

See index under Special assessments.

SHURTLEFF, FLAVEL, and OLMSTED, F. L. Carrying out the city plan. The practical application of American law in the execution of city plans. New York, 1914. 349 pp. (Russell Sage Foundation publication.)

Ch. iii (pp. 52–102), The distribution of the cost of land acquirement.

WHINERY, SAMUEL. Municipal public works. New York, 1903. 241 pp.

Ch. xii (pp. 156–174), Special assessments.

2. SPECIAL DISCUSSIONS

Chicago. Bureau of Public Efficiency. Bureau of streets, civil service commission and special assessment accounting system of the city of Chicago. Reports submitted to the Chicago commission on city expenditures. Chicago, 1911. 112 pp. (Publication no. 10.)

ODENKIRCHEN, FRITZ. Interessentenbeiträge, insbesondere die Beiträge des § 9 des Kommunalabgabengesetzes vom 14 Juli 1893. Tübingen, 1913. 124 pp.

ROSEWATER, VICTOR. Special assessments. A study in municipal finance. 2d edition. New York, 1898. 152 pp. (Columbia University Studies in History, Economics and Public Law, ii, no. 3.)

VAN ORNUM, J. L. Theory and practice of special assessments. Transactions, American Society of Civil Engineers, xxxviii, pp. 336–400 (December, 1897).

3. CONSTITUTIONAL AND LEGAL PHASES

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

Special assessments, iv, ch. xxviii (pp. 2490–2642).

HAMILTON, C. H. A treatise on the law of taxation by special assessments. Chicago, 1907. lxxxv, 937 pp.

Manila. Municipal Board. Report on the various forms of special or local assessment laws in force in some cities of the United States. Manila, 1913. 74 pp.

PAGE, W. H., and JONES, PAUL. A treatise on the law of taxation by local and special assessments. 2 vols. Cincinnati, 1909.

See also Taxation, Law of.

SECTION LXXIII. MUNICIPAL TAXATION

1. LISTS OF REFERENCES

ELY, R. T. Taxation in American states and cities. Revised edition. New York, 1910. 544 pp.

The literature of taxation, pp. 94–101.

SELIGMAN, E. R. A. Essays in taxation. 8th edition. New York, 1913. 707 pp.

American bibliography of the general property tax, pp. 63–65; ch. xviii (pp. 543–595), Recent literature in taxation; ch. xix (pp. 596–682), American reports on taxation.

United States. Library of Congress. Division of Bibliography. Select list of references on the taxation of land values. (Unearned increment.) Washington, 1913. 17 pp. (typewritten).

——. ——. Select list of references on the single tax. Washington, 1913. 15 pp. (typewritten).

WILLIAMSON, C. C. A reader's guide to the Addresses and proceedings of the annual conferences on state and local taxation, i–vi (1907–1912), under the auspices of the National Tax Association. Madison, 1913. 41 pp.

2. GENERAL PRINCIPLES OF TAXATION

ADAMS, H. C. The science of finance. New York, 1890. 573 pp.

American Academy of Political and Social Science. Taxation in American cities: a symposium. Annals, xxviii, pp. 155–176 (July, 1906).

——. Readjustments in taxation. Annals, lviii, whole no. 147 (March, 1915). Philadelphia, 1915. 275 pp.

BASTABLE, C. F. Public finance. 3d edition. New York, 1903. 780 pp.

BULLOCK, C. J. Selected readings in public finance. Boston, 1906. 671 pp.

ELY, R. T. Taxation in American states and cities. Revised edition. New York, 1910. 544 pp.

MEANS, D. MACG. The methods of taxation compared with established principles of justice. New York, 1909. 380 pp.

SELIGMAN, E. R. S. Essays in taxation. 8th edition. New York, 1913. 707 pp.

WELLS, DAVID A. Theory and practice of taxation. New York, 1900. 648 pp.

3. RELATION OF STATE TO MUNICIPAL TAXATION

ADAMS, T. S. Separation of the sources of state and local revenues. Journal of Political Economy, xvi, pp. 1–12 (January, 1908).

BRINDLEY, J. E. State supervision of county assessment and taxation. Annals of the American Academy of Political and Social Science, xlvii, pp. 213–226 (May, 1913).

BULLOCK, C. J. Separation of state and local revenues. Quarterly Journal of Economics, xxiv, pp. 437–458 (May, 1910).

CORBIN, W. H. Apportionment of state taxes on the basis of local revenue. Addresses and proceedings, Fifth National Conference on State and Local Taxation, pp. 263–269 (1911).

PURDY, LAWSON. Outline of a model system of state and local taxation. Proceedings, National Municipal League, 1907, pp. 223–242.

SELIGMAN, E. R. A. The separation of state and local revenues. Columbus, 1907. 31 pp.
Reprinted from the Addresses and proceedings of the First National Conference on State and Local Taxation, pp. 485–514 (1907).

4. LOCAL OPTION IN TAXATION

BULLOCK, C. J. Local option in taxation, with discussion. Addresses and proceedings, Fifth National Conference on State and Local Taxation, pp. 271–297 (1911).

HENNESSY, C. O. Home rule in taxation. American City, ix, pp. 124–125 (August, 1913).

PURDY, LAWSON. Local option in taxation. New York, 1902. 47 pp. (Publication of the New York State Tax Reform Association.)

WILSON, J. S. Home rule in taxation. Pacific Municipalities, xxvii, pp. 20–35, 63–67 (January, February, 1913).

5. SPECIAL REPORTS ON TAXATION METHODS

California. Report of the commission on revenue and taxation of the state of California, 1906. Sacramento, 1906. 296 pp.

——. *Ibid.*, 1910. Sacramento, 1910. 77 pp.

Chicago. Civic Federation. A summary of the reports of the special state tax commission. Chicago, 1907. 75 pp.

Connecticut. Report of the special commission on taxation of corporations paying taxes to the state, as provided by ch. 283 of the public acts of 1911, to the general assembly of 1913. Hartford, 1913. 238 pp.

Illinois. A report on the taxation and revenue system of Illinois. Prepared for the special tax commission of the state of Illinois by J. A. FAIRLIE. Danville, 1910. 255 pp.

Massachusetts. Report of the commission on taxation appointed to inquire into the expediency of revising and amending the laws of the Commonwealth relating to taxation. Boston, 1897. 322 pp.

——. Report of the commission on taxation, appointed under the provisions of ch. 129 of the Resolves of 1907, to investigate the subject of taxation and to codify, revise and amend the laws relating thereto. Boston, 1908. 234 pp.

——. General Court. Report of the joint special committee on taxation appointed to consider the expediency of legislation in amendment of or in addition to the general laws relating to taxation. Boston, 1907. 136 pp. (House doc. 1090.)

New York State. Report of the special tax commission, 1907. Albany, 1907. 189 pp.

SELIGMAN, E. R. A. Recent reports on state and local taxation. Boston, 1907. 17 pp. (Reprinted from the Political Science Quarterly, xxii, pp. 297–314 (June, 1907).)

Washington. University of Washington. University Extension Division. Taxation in Washington. Papers and discussion of the State Tax Conference, held at the University of Washington, May 27, 28, 29, 1914. Seattle, 1914. 302 pp.

6. THE LAW OF LOCAL TAXATION

ABBOTT, H. S. Treatise on the law of municipal corporations. 3 vols. St. Paul, 1905–1906.

Ch. vi (pp. 669–965), Public revenues; their collection and distribution.

COOLEY, R. W. Handbook of the law of municipal corporations. St. Paul, 1914. 711 pp.

Ch. xiv (pp. 415–463), Taxation.

——. Illustrative cases on municipal corporations. St. Paul, 1913. 379 pp.

Taxation, pp. 325–343.

COOLEY, T. M. A treatise on the law of taxation, including the law of local assessments. 3d edition. 2 vols. Chicago, 1903.

DASSLER, C. F. W. A treatise on the law of taxation, including tax titles and special assessments in the state of Kansas. Kansas City, 1911. 614 pp.

DILLON, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

Municipal taxation, iv, pp. 2309–2489.

GOODNOW, F. J., editor. Selected cases on the law of taxation. Chicago, 1905. 661 pp.

MCQUILLIN, EUGENE. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.

See index under Municipal taxes.

MACY, J. E. Selection of cases on municipal or public corporations. Boston, 1911. 503 pp.

See index under Taxation.

PAGE, W. H., and JONES, PAUL. A treatise on the law of taxation by local and special assessments 2 vols. Cincinnati, 1909.

United States. Bureau of the Census. Taxation and revenue systems of the state and local governments. A digest of constitutional and statutory provisions relating to taxation in the different states in 1912. Washington, 1914. 275 pp.

See also Special Assessments.

7. Foreign Systems of Municipal Taxation

Caillaux, De J. Les impôts en France. 2 vols. Paris, 1904.

Dawson, W. H. Municipal life and government in Germany. London, 1914. 507 pp.
Ch. xiv–xvii (pp. 362–434), Municipal taxation.

Kaufmann, Richard von. Die Kommunalfinanzen (Grossbrittanien, Frankreich, Preussen). Two vols. in one. Leipzig, 1906.

Leroy-Beaulieu, Paul. Traité de la science des finances. 2 vols. 8th edition. Paris, 1912.

United States. Department of Commerce and Labor. Bureau of Manufactures. Municipal taxation in European countries. Washington, 1910. 88 pp. (Special Consular Reports, no. xlii, Pt. II, 1910.)

Vineberg, Solomon. Provincial and local taxation in Canada. New York, 1912. 171 pp. (Columbia University Studies in History, Economics and Public Law, lii, no. 1, whole no. 128.)

Wright, R. S., and Hobhouse, Henry. An outline of local government and local taxation in England and Wales (excluding London). 4th edition. London, 1914. 211 pp.

8. The Single Tax (Taxation of Unearned Increment)

Chomley, C. H., and Outhwaite, R. L. The essential reform: land values taxation in theory and practice. London, 1909. 242 pp.

Davenport, H. J. Extent and significance of the unearned increment. American Economic Association Bulletin, 4th series, i, pp. 322–332 (April, 1911).

FALLOON, GEORGE. Single tax explained; its origin, object and effect. Kansas City, 1912. 33 pp.

FILLEBROWN, C. B. The A B C of taxation. Boston, 1909. 235 pp.

GEORGE, HENRY. Progress and poverty. 25th anniversary edition. New York, 1911. 568 pp.

HOWE, F. C. European cities at work. New York, 1913. 370 pp.
Ch. xi (p. 189–207), New sources of revenue, the unearned increment.

——. The modern city and its problems. New York, 1915. 390 pp.
Ch. xxiii (pp. 346–366), New sources of city revenue.

JOHNSON, TOM L. My story. Edited by Elizabeth J. Hauser. New York, 1911. 326 pp.

MARTIN, JOHN. Unearned increment in cities. Proceedings, National Municipal League, 1910, pp. 346–352.

MILLER, J. D. The single tax and American municipalities. National Municipal Review, iii, pp. 737–741 (October, 1914).

National Tax Association. The single tax. Proceedings, Eighth Annual Conference, pp. 405–469 (1914).
The progress of land value taxation in Western Canada, by F. J. Dixon, pp. 405–415; Experiments with the single tax in Western Canada, by F. C. Wade, pp. 416–433; Taxation in the western provinces of Canada, by A. B. Clark, pp. 434–447; Discussion, pp. 448–469.

POST, L. F. Outline of lectures on the taxation of land values. 4th edition. Chicago, 1912. 145 pp.

SELIGMAN, E. R. A. Essays in taxation. 8th edition. New York, 1913. 707 pp.
Ch. iii (pp. 66–99), The single tax.

SHEARMAN, T. G. Natural taxation. New York, 1911. 268 pp.

SHIELDS, C. H. Single tax exposed. 5th edition. Portland (Ore.), 1912. 63 pp.

SILVERS, E. B. Single tax a fallacy; a refutation of the theory of single taxation as announced by Henry George. Kansas City, 1913. 105 pp.

SECTION LXXIV. MUNICIPAL ACCOUNTING

1. Lists of References

Baker, M. N. Bibliography of uniform municipal accounting. Proceedings, National Municipal League, 1902, pp. 327–329.

Banks, Mary, compiler. Municipal accounting: list of publications issued in the United States since January 1, 1900, not including articles in periodicals. National Municipal Review, iii, pp. 449–453 (April, 1914).

Dobbin, E. V., compiler. A classified list of books on accounting and allied subjects. Special Libraries, iii, pp. 40–42 (March, 1912).

Journal of Accountancy. Index to vols. i–xvi (November, 1905, to December, 1913). New York, 1914. 153 pp.

Scott, Laura. Certified public accountants. Madison, 1910. 44 pp. (Wisconsin Library Commission. Comparative Legislation Bulletin no. 22 (October, 1910).)
References, pp. 3–5.

United States. Library of Congress. Division of Bibliography. List of references relating to railroads and municipal accounting. Washington, 1910. 8 pp. (typewritten).

——. ——. List of references on municipal accounting. Washington, 1914. 12 pp. (typewritten).

2. Principles and Methods of Accounting

Abbott, F. M. Functions of state municipal accounting. City Hall–Midland Municipalities, xxii, pp. 171–174 (February, 1912).

Allcock, John. Municipal accounts. London, 1903. 90 pp. (Accountants' Library, xxi.)

Allen, S. E. The diagrammatic presentment of the accounts of local authorities. London, 1912. 60 pp.

Allen, W. H. Better business methods for cities. New York, 1908. 6 pp. (Reprinted from Review of Reviews, xxxvii, pp. 195–200 (February, 1908).)

American Association of Public Accountants. Report of the committee on standard schedules for uniform reports upon municipal industries and public service corporations. Atlantic City, 1908. 15 pp.

American Economic Association. Uniform municipal accounts and statistics. New York, 1901. 39 pp. (Reprinted from its Publications, 3d series, ii, pp. 254–292 (February, 1901).)

American Society of Municipal Improvements. Report on uniformity in municipal accounting and on national statistics. Proceedings, 1901, pp. 35–39; appendix A–H, pp. 40–81.

BAKER, M. N. Uniform municipal accounting. Proceedings, National Municipal League, 1900, pp. 239–242.

BETZ, LOUIS. Receipt and disbursement method of municipal accounting. Proceedings, National Association of Comptrollers and Accounting Officers, 1906, pp. 109–112.

BROWN, C. C. Uniform municipal accounting. Papers, League of Michigan Municipalities, 1904, pp. 121–133.

BRUÈRE, HENRY. New city government. New York, 1913. 438 pp.

Ch. vi (pp. 125–170), Accounting and reporting methods.

CHASE, H. S. Application of uniform accounting to city comptrollers' reports. Proceedings, League of American Municipalities, 1901, pp. 36–40.

——. Business management for municipalities. New York, 1911. 21 pp.

——. Municipal accounting as the basis for publicity of municipal affairs. Proceedings, National Municipal League, 1908, pp. 337–347.

——. Uniform municipal accounting in Boston, Baltimore and other municipalities. *Ibid.*, 1902, pp. 307–321.

Chicago. Bureau of Public Efficiency. Bureau of streets, civil service commission and special assessment accounting system of the city of Chicago. Chicago, 1911. 112 pp. (Publication no. 10 (December, 1911).)

CLEVELAND, F. A. Chapters on municipal administration and accounting. New York, 1909. 361 pp.

CLEVELAND, F. A. Forms of municipal balance sheets. Proceedings, National Association of Comptrollers and Accounting Officers, 1911, pp. 83–113.

COSGROVE, F. H. The unification of municipal accounting. City Hall–Midland Municipalities, xxiii, pp. 12–16 (April, 1912).

DEMING, H. E. Uniform municipal accounting and home rule. Proceedings, National Municipal League, 1905, pp. 248–251.

DOLGE, WILLIAM. Practical talks on municipal accounting. Pacific Municipalities, xxvi, pp. 398–402 (July, 1912).

EGGLESTON, D. C. Municipal accounting. New York, 1914. 456 pp. (Ronald Accounting series.)

——. A municipal cost system. How the principles of cost accounting are applied to teaming, stone crushing, road making and repair work in a large city. Journal of Accountancy, xii, pp. 573–587 (December, 1911).

FISHER, E. D. Efficiency in the fiscal operations of cities. Annals of the American Academy of Political and Social Science, xli, pp. 71–77 (May, 1912).

GETTEMY, C. F. The standardization of municipal accounts and statistics in Massachusetts. Proceedings, National Municipal League, 1910, pp. 230–245.

——. Municipal accounting in Massachusetts. Journal of Accountancy, xi, pp. 340–345 (March, 1911).

HARTWELL, E. M. The financial reports of municipalities, with special reference to the requirements of uniformity. Proceedings, National Municipal League, 1899, pp. 124–135.

——. Uniform municipal accounting and statistics. Philadelphia, 1903. 21 pp. (National Municipal League. Pamphlet no. 10.)

HASKINS, C. W. Municipal reform in accounting. Chicago, 1901. 12 pp.

An address before the Merchants' Club of Chicago.

HENDERSON, H. B. Uniform accounting and state examination of accounts. Proceedings, National Municipal League, 1900, pp. 247–256.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Public accounts, iii, pp. 87–90. References, p. 90.

National Municipal League. Report of the committee on uniform accounting and statistics. Proceedings, 1901, pp. 248–263; 1902, pp. 292–306; 1903, pp. 247–267, appendix; 1904, pp. 191–202; 1905, pp. 206–234.

New York City. Advisory Commission on Taxation and Finance. Report of committee on accounting and statistics. New York, 1907. 226 pp.

——. Bureau of Municipal Research. Handbook of municipal accounting. New York, 1913. 318 pp.
A summary of the principles underlying the practice and procedure of New York City.

——. ——. Municipal reform through revision of business methods. New York, 1910. 58 pp.

Powers, L. G. Governmental regulation of accounting procedure. Annals of the American Academy of Political and Social Science, liii, whole no. 142, pp. 119–127 (May, 1914).

——. Uniform accounting in its relation to comparative municipal statistics. Proceedings, National Municipal League, 1904, pp. 230–241.

——. Classifications of municipal expenditures in budgets and accounts and the purposes which they subserve. Journal of Accountancy, xix, pp. 118–136 (February, 1915).

Sands, H. R. Accounting and efficiency. Address before the International Municipal Congress. Municipal Journal, xxxi, pp. 565–568 (November 1, 1911).
Discusses the value of scientific methods and efficient municipal accounting.

Stevens, F. W. Accounting in public service regulation. Annals of the American Academy of Political and Social Science, liii, whole no. 142, pp. 128–134 (May, 1914).

Taussig, B. J. Results obtainable through reorganization of accounting methods. Annals of the American Academy of Political and Social Science, xli, pp. 57–63 (May, 1912).

United States. Bureau of the Census. Uniform municipal accounting. Minutes of a conference held in Washington, D. C., November 19–20, 1903, under the auspices of the United States Bureau of the Census. Washington, 1904. 89 pp.

——. ——. *Ibid.* Proceedings of a second conference held in Washington, D. C., February 13–14, 1906. Washington, 1906. 121 pp.

WALTON, J. M. Application to a municipality of modern methods of accounting and reporting. Annals of the American Academy of Political and Social Science, xli, pp. 64–68 (May, 1912).

WHINERY, SAMUEL. Municipal public works. New York, 1903. 241 pp.

Ch. xiii (pp. 175–188), Municipal accounts and uniform accounting.

Revenue accounting. National Municipal Review, ii, pp. 17–21 (January, 1913).

State supervision of municipal accounts, under existing legislative enactments prior to 1913. *Ibid.*, ii, pp. 522–525 (July, 1913).

3. OFFICIAL CLASSIFICATIONS

Massachusetts. Bureau of Statistics. A uniform classification of municipal receipts and payments prescribed for the cities and towns of Massachusetts as a basis for a standard system of accounts and reports. Boston, 1910. 64 pp.

New York City. Bureau of Accounts and Statistics. Accountants' report to E. M. Grout, comptroller, submitting the outline and demonstration of a plan for stating the annual report. New York, 1903. 115 pp.

——. Department of Finance. Manual of accounting and business procedure of the city of New York. New York, 1909. 552 pp.

New York State. Comptroller's Office. Uniform system of accounting for cities of the second class. Albany, 1912. 116 pp.

Prescribed by the comptroller in accordance with sec. 36 of the general municipal law.

Philadelphia. Controller. Manual of accounting, reporting and business procedure of the city and county of Philadelphia, effective January 1, 1914. Philadelphia, 1913. 66 pp.

St. Louis. Comptroller's Office. Classification of appropriation accounts, together with an index intended for use throughout the departments and divisions of the city government concerned with the disbursement of appropriation funds. St. Louis, 1913. 151 pp.

——. ——. Special report transmitting report of the bureau of revision of accounts and methods submitted to the municipal assembly, April 15, 1913. St. Louis, 1913. 26 pp.

4. Serial Publications

Accountant. Vol. lii, 1915. London. Published weekly.

American Association of Public Accountants. Yearbook. First, 1887. New York. Published annually.

Government Accountant. A monthly magazine devoted principally to the advocacy of improved and uniform methods of accounting in the federal, state, and municipal service. Vol. i, May, 1907. Washington. Published monthly.

Journal of Accountancy. Vol. i, November, 1905. New York. Published monthly.

National Association of Comptrollers and Accounting Officers. Proceedings. First annual convention, 1906. Detroit, 1906–.

SECTION LXXV. MUNICIPAL BUDGET-MAKING AND EXPENDITURES

1. Lists of References

Meyer, E. C. Select list of readings on municipal budgets and balance sheets. Government Accountant, v, pp. 558–559 (April, 1911).

United States. Library of Congress. Division of Bibliography. List of references on budgets of cities. H. H. B. Meyer, chief bibliographer. Washington, 1914. 12 pp. (typewritten).

2. Scientific Budget-Making

American Academy of Political and Social Science. Municipal budgets. Annals (1915). Philadelphia, 1915.

Chase, H. S. Budgets and balance sheets. Proceedings, National Municipal League, 1910, pp. 214–229.

Chicago. Bureau of Public Efficiency. Methods of preparing and administering the budget of Cook County, Illinois. Chicago, 1911. 53 pp. (Publication no. 1.)

Cleveland, F. A. Chapters on municipal administration and accounting. New York, 1909. 361 pp.
Ch. vi (pp. 67–81), Principles of budget-making.

Clow, F. R. Administration of city finances in the United States. New York, 1901. 144 pp. (American Economic Association. Publication, 3d series, ii, no. 4.)

Eggleston, D. C. Municipal budget accounts. Journal of Accountancy, xii, pp. 481–492 (November, 1911).

Goodnow, F. J. The limits of budgetary control. American Political Science Review, viii, supplement, pp. 68–77 (February, 1913).

Herrick, Anson. The importance of the municipal budget as a means for the control of expenditures. Journal of Accountancy, xi, pp. 414–448 (April, 1911).

Lindars, F. W. The segregated budget as applied to municipal engineering work. With discussions. Proceedings, Municipal Engineers of New York, 1912, pp. 129–161.

Lowrie, S. G. The budget. Madison, 1912. 259 pp.
The best full discussion of budget-making in general.

McLaughlin, A. C., and Hart, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Budgets, state and local, i, pp. 182–184. References, p. 184.

National Municipal League. Report of committee on city finances and budgets. Proceedings, 1909, pp. 481–489.

New York City. Bureau of Municipal Research. Making a municipal budget. Functional accounts and operative statistics of the department of health of Greater New York. New York, 1907. 171 pp.
Various pamphlets and leaflets on the New York budget system have also been issued from time to time by this bureau.

POWERS, LEGRAND. The essentials of a good budget from the viewpoint of the statistician. Proceedings, National Association of Comptrollers and Accounting Officers, 1911, pp. 47–74.

——. Municipal budgets and expenditures. Proceedings, National Municipal League, 1909, pp. 258–272.

SANDS, H. R., and LINDARS, F. W. Efficiency in budget making. Annals of the American Academy of Political and Social Science, xli, pp. 138–150 (May, 1912).

Municipal budget system; work, quantity and unit cost. Engineering News, lxviii, pp. 1221–1223 (December 26, 1912).

3. BUDGET EXHIBITS

BRADDOCK, J. H. The New York city budget exhibit. Twentieth Century Magazine, v, pp. 117–122 (December, 1911).

——. Efficiency value of the budget exhibit. Annals of the American Academy of Political and Social Science, xli, pp. 151–157 (May, 1912).

HINCKLEY, T. L. Budget exhibits and municipal engineering displays. Suggestions concerning publicity features of city engineering functions. Engineering Record, lxiv, pp. 661–663 (December 2, 1911).

New York City. Department of Finance. Budget classifications. Explanation indicating the articles which belong to each classification, and giving the definition of "supplies," "equipment," and "materials," as used in the budget of 1913. New York, 1913. 8 pp.

UPSON, L. D. Cincinnati's first municipal exhibit. American City, vii, pp. 530–532 (December, 1912).

New York municipal budget exhibit. Municipal Journal and Engineer, xxxi, pp. 491–494 (October 18, 1911).

4. CITY PURCHASING

BRUÈRE, HENRY. New city government. New York, 1913. 438 pp.

Purchasing and storekeeping, pp. 205–232.

Chicago. Commission on City Expenditures. Preliminary report on the business agent's office of the city of Chicago. Chicago, 1910. 16 pp.

CHILDS, W. T. Ordering municipal supplies. Methods and forms used by comptroller of Baltimore. Municipal Journal, xxxiv, pp. 156–157 (January 30, 1913).

——. Municipal purchasing and storekeeping. Why municipalities should centralize in this department; plan of Baltimore; results in Sacramento. Municipal Journal, xxxv, pp. 591–592 (October 30, 1913).

CHURCH, E. C. Purchasing city supplies. Engineering Record, lxix, pp. 21–22, 52, 81–82 (January 3, 10, and 17, 1914).

Cleveland. Chamber of Commerce. Report of the committee on city finances, recommending the establishment of a city storeroom. Cleveland, 1913. 8 pp. (Municipal Accounting Report no. 3 (April 8, 1913).)

EMERSON, G. C. Scientific management of public works in the civil service; purchase of supplies; labor and contract system. National Municipal Review, ii, pp. 571–582 (October, 1913).

New York City. Comptroller's Office. Report submitting plan of proposed system for the central purchase and distribution of supplies for the city of New York, together with all the forms necessary to carry the system into full operation and effect. W. A. PRENDERGAST, comptroller. New York, 1913. 72 pp.

——. Municipal Reference Library. A list of references to material in the library on purchasing of municipal supplies and related topics. Municipal Reference Library Notes, i, pp. 21–24 (November 25, 1914).

PRENDERGAST, W. A. Central purchase and distribution of supplies for New York City. Engineering Record, lxvii, pp. 359–361 (March 29, 1913).

PURCELL, F. X. A. How the New York purchasing system was established. Municipal Engineering, xlv, pp. 430–434 (November, 1913).

——. Purchasing for large cities; with discussion. Proceedings, Municipal Engineers of the City of New York, 1913, pp. 152–197.

SANDS, H. R. Controlling the purse strings of our cities. American City, vii, pp. 208–211 (September, 1912).

SCHUYLER, R. L. Centralization in city purchasing. National Municipal Review, ii, pp. 251–254 (April, 1913).

SMITH, W. R. Efficiency in city purchasing. *Ibid.*, ii, pp. 239–250 (April, 1913).

SNOW, W. B. The cost of inefficiency in municipal work. American City, i, pp. 77–82 (October, 1909).

STIEGLER, W. G. City purchasing in Cincinnati. City purchasing agent's office; forms used for authorizing, making and recording purchases. Municipal Journal, xxxiv, pp. 649–651 (May 8, 1913).

Cincinnati's purchasing system. Municipal Engineering, xlv, pp. 217–223 (September, 1913).

SECTION LXXVI. MUNICIPAL DEBTS

1. GENERAL DISCUSSIONS

American Academy of Political and Social Science. Municipal indebtedness; a symposium. Annals, xxv, pp. 615–635 (May, 1905).

CRAWFORD, A. W. City planning and municipal indebtedness. Proceedings, Conference of Mayors of the Cities of New York State, 1912, pp. 140–154.

GETTEMY, C. F. Municipal debts in Massachusetts. National Municipal Review, ii, pp. 531–533 (July, 1913).

MCLAUGHLIN, A. C., and HART, A. B., editors. Cyclopedia of American government. 3 vols. New York, 1914.
Debts, public administration of, i, pp. 545-552. References, p. 552.

POWERS, LE GRAND. Increasing municipal indebtedness. National Municipal Review, iii, pp. 102–106 (January, 1914).

2. Municipal Debt Limits

Gettemy, C. F. Recent legislation relating to municipal indebtedness in Massachusetts. National Municipal Review, iii, pp. 682–692 (October, 1914).

New York City. Bureau of Municipal Research. New York City's debt; facts and law relating to the constitutional limitation of New York's indebtedness. New York, 1909. 83 pp.

Secrist, Horace. An economic analysis of the constitutional restrictions upon public indebtedness in the United States. Madison, 1914. 131 pp. (Bulletin of the University of Wisconsin, no. 637 (April, 1914).)

Pt. II, ch. i–iv (pp. 54–126), Municipal indebtedness.

——. Constitutional restrictions on municipal debt. Journal of Political Economy, xxii, pp. 365–383 (April, 1914).

——. Problems in municipal indebtedness. Journal of Accountancy, xvii, pp. 271–289 (April, 1914).

3. Statistics of Municipal Debt

Massachusetts. Bureau of Statistics. Statistics of municipal finances. First, 1906. Boston, 1908–. Issued annually.

The title of the publication varies.

New York City. Bureau of Municipal Research. Memorandum of matters relating to New York City's debt. New York, 1908. 31 pp.

——. Department of Finance. Bureau of Municipal Investigation and Statistics. Report relating to the city's indebtedness. Compiled in the bureau and presented by H. A. Metz, comptroller, to the board of estimate and apportionment. Revised edition. New York, 1907. 38 pp.

United States. Bureau of the Census. County and Municipal indebtedness, 1913, 1902, and 1890, and sinking fund assets, 1913. Washington, 1915. 228 pp.

See also Municipal Statistics.

4. The Law and Practice of Municipal Bond Issues

American Academy of Political and Social Science. Bonds as investment securities. Annals, xxx, pp. 192–235 (September, 1907).

The physical condition of a municipality issuing bonds, and Municipal bond issues explained, by H. E. Weil; Protection of municipal bonds, by Park Terrell; Classification and description of bonds, and Bonds in their relation to corporation finance, by F. A. Cleveland.

Burhans, J. A. The law of municipal bonds, including a digest of statutory laws governing the investment of corporate and trust funds, by saving banks, insurance companies, guardians, executors, and other corporations and trustees. Chicago, 1889. 342 pp.

Chamberlain, Lawrence. The principles of bond investment. New York, 1911. 551 pp.

Ch. xvi–xviii (pp. 180–242), City and town bonds; municipal assets; municipal liabilities; validity and good faith.

Dean, M. B. Municipal bonds held void, including issues enjoined, registration or certification denied, issuance not compelled, validation refused and all proceedings determining illegality. New York, 1911. 122 pp.

Dillon, J. F. Commentaries on the law of municipal corporations. 5th edition. 5 vols. Boston, 1911.

See index under Municipal bonds.

Harris, W. H. The law governing the issuing, transfer and collection of municipal bonds. Cincinnati, 1902. 357 pp.

Kirkwood, W. P. New ways of marketing city bonds. American City, ix, pp. 16–17 (July, 1913).

Lownhaupt, Frederick. Municipal bonds; facts regarding their issue and their security. New York, 1910. 32 pp.

Booklet no. 4 of a series on bonds.

McQuillin, Eugene. A treatise on the law of municipal corporations. 6 vols. Chicago, 1911–1913.

Municipal bonds, v, ch. xliii (pp. 4781–4940).

Shea, C. A. Municipal bonds. Editorial Review, iii, pp. 979–986 (October, 1910).

Street, A. L. H. Legal aspects of the sale of municipal bonds. American City, ix, pp. 45–46 (July, 1913).

5. Methods of Debt Payment

Chandler, A. D. Amortization. American Economic Review, iii, pp. 875–893 (December, 1913).

Leake, P. D. The use and misuse of sinking funds. London, 1913. 19 pp.

Perrin, J. W. History of the Cleveland sinking fund of 1862. Cleveland, 1913. 68 pp.

Turner, E. H. Depreciation and sinking funds in municipal undertakings. Economic Journal, xiv, pp. 47–56 (March, 1904).

——. The repayment of local and other loans. Sinking funds. Manchester (England), 1913. 536 pp. (Publication of the University of Manchester.)

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American Political Science Association, proceedings on county government, 72; Review, 23.
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American Telegraph and Telephone Company, Summary of laws relating to telephone and telegraph companies, 215.
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American Water Works Association, Bookkeeping methods of municipally and privately owned water works, 182; proceedings, 184; report on tabulation of water rates, 180.

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